

# Üçgende Kesenin Kenarlarla Yaptığı Aç

$$k_3 = AD : BC \text{ aileleri}$$

9 aile  $\times$  8 varyasyon = 72 soru

## İçindekiler

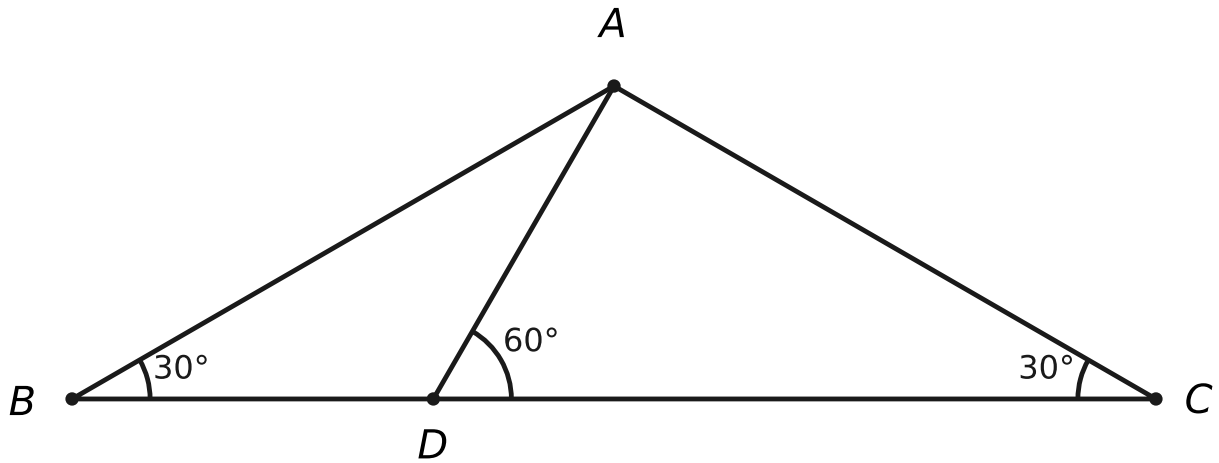
$(k_3 = 1/3, N = 1)$ ailesi	s. 2
$(k_3 = 1/3, N = 2)$ ailesi	s. 10
$(k_3 = 1/2, N = 1)$ ailesi	s. 18
$(k_3 = 1/2, N = 2)$ ailesi	s. 26
$(k_3 = 2/3, N = 1)$ ailesi	s. 34
$(k_3 = 1, N = 1)$ ailesi	s. 42
$(k_3 = 1, N = 2)$ ailesi	s. 50
$(k_3 = 1, N = 3)$ ailesi	s. 58
$(k_3 = 1, N = 4)$ ailesi	s. 66

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.0

$\angle ABC = 30^\circ$ ,  $\angle ACB = 30^\circ$ ,  $\angle ADC = 60^\circ$ .

$AD : BC = ?$



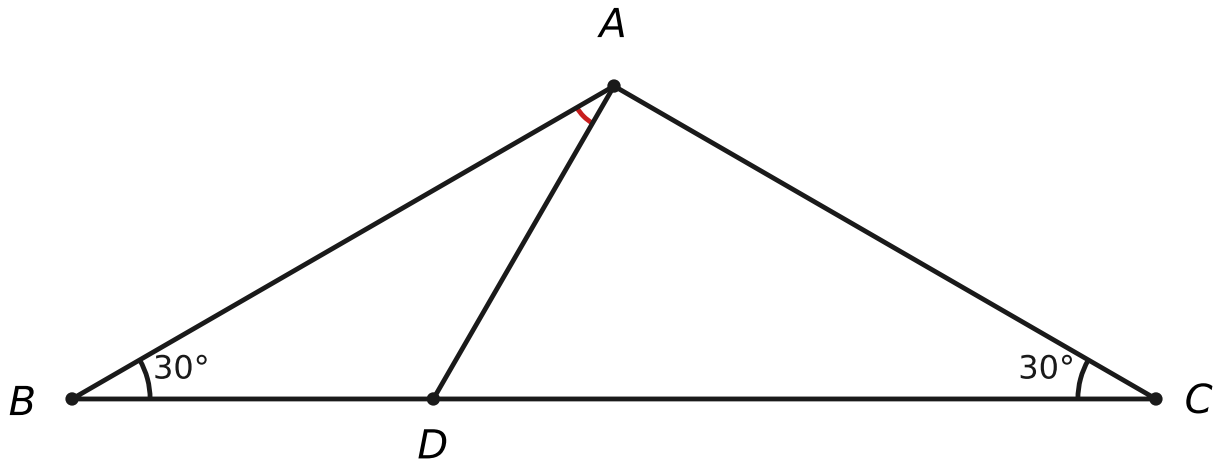
**Cevap:  $AD : BC = 1 : 3$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.1

$AD : BC = 1 : 3$ ,  $\angle ABC = 30^\circ$ ,  $\angle ACB = 30^\circ$ .

$\angle BAD = ?$



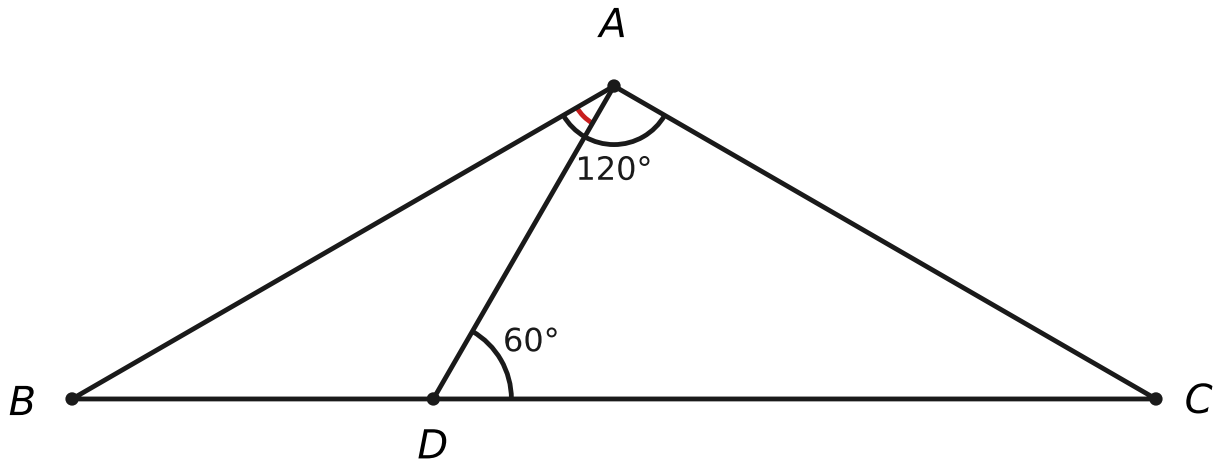
**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.2

$AD : BC = 1 : 3$ ,  $\angle BAC = 120^\circ$ ,  $\angle ADC = 60^\circ$ .

$\angle BAD = ?$



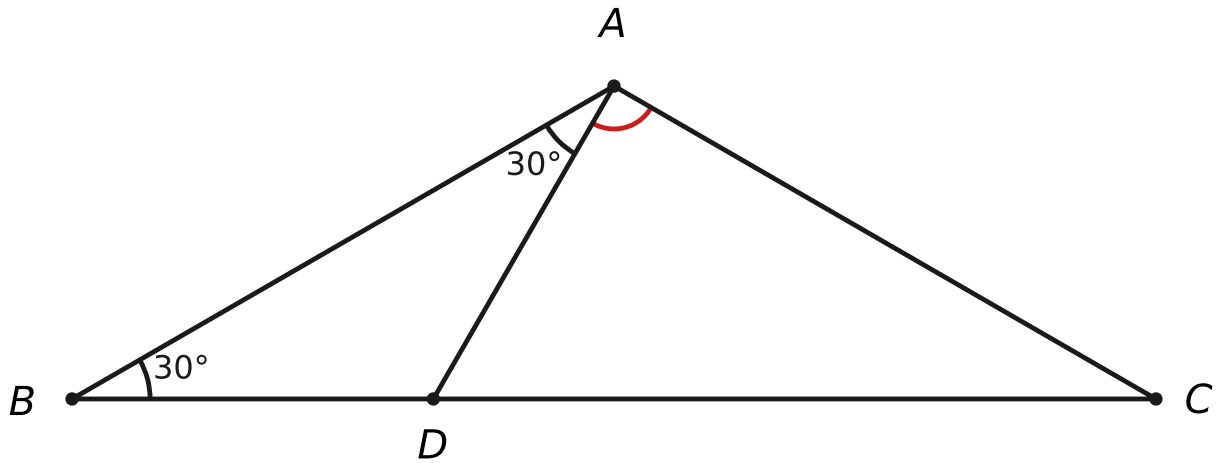
**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.3

$AD : BC = 1 : 3$ ,  $\angle ABC = 30^\circ$ ,  $\angle BAD = 30^\circ$ .

$\angle DAC = ?$



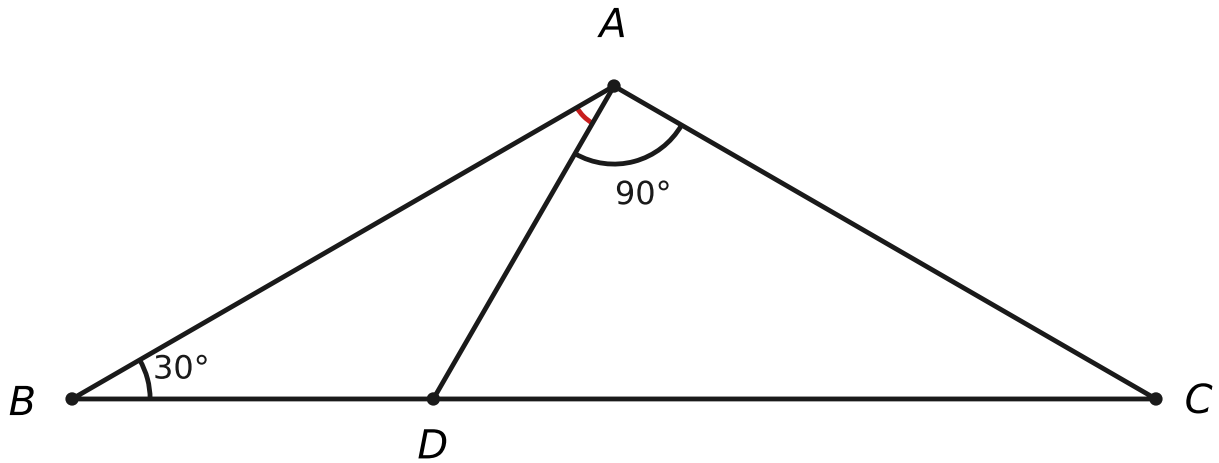
**Cevap:  $\angle DAC = 90^\circ$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.4

$AD : BC = 1 : 3$ ,  $\angle ABC = 30^\circ$ ,  $\angle DAC = 90^\circ$ .

$\angle BAD = ?$



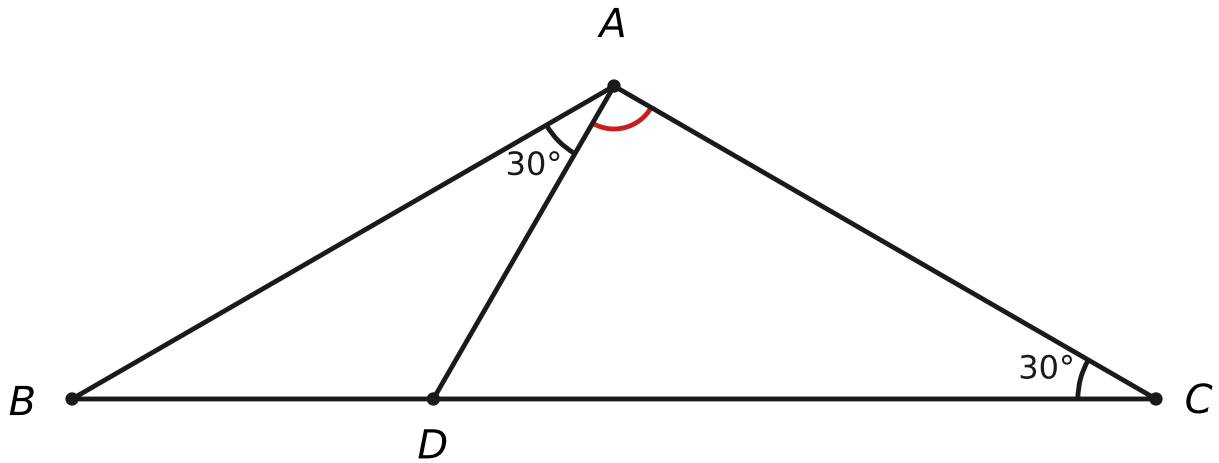
**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.5

$AD : BC = 1 : 3$ ,  $\angle ACB = 30^\circ$ ,  $\angle BAD = 30^\circ$ .

$\angle DAC = ?$



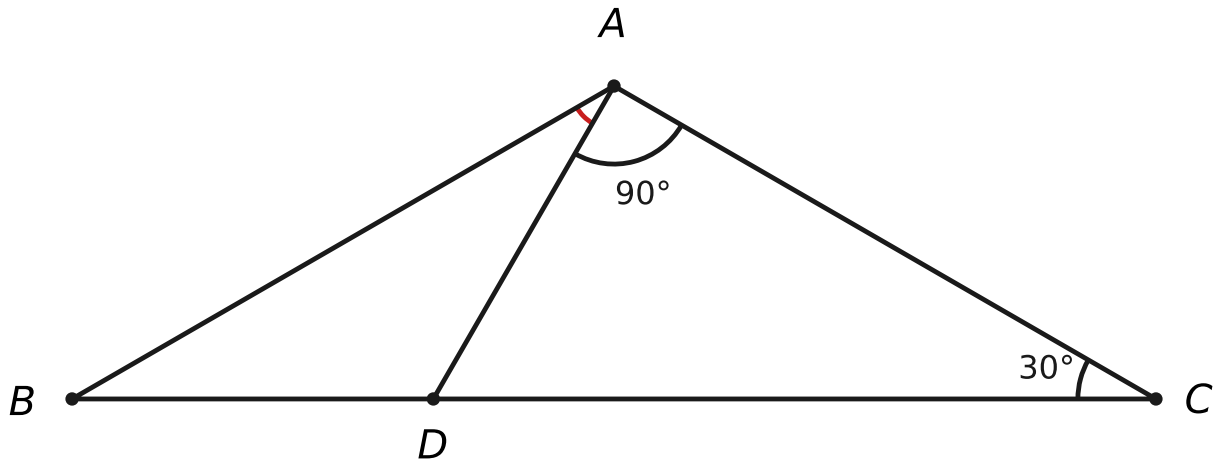
**Cevap:  $\angle DAC = 90^\circ$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.6

$AD : BC = 1 : 3$ ,  $\angle ACB = 30^\circ$ ,  $\angle DAC = 90^\circ$ .

$\angle BAD = ?$



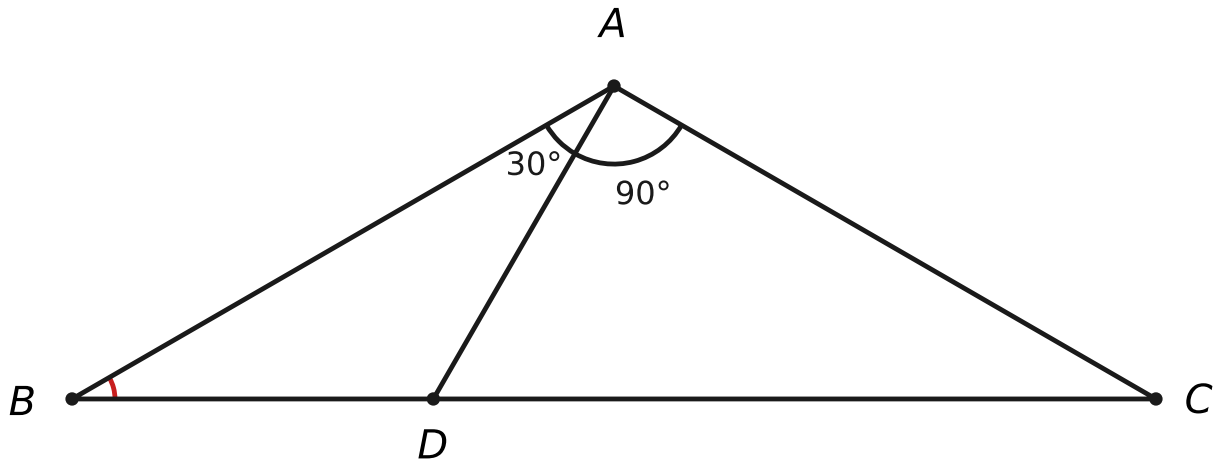
**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 1/3$ ,  $N = 1$ ) ailesi

### Soru 1.7

$AD : BC = 1 : 3$ ,  $\angle BAD = 30^\circ$ ,  $\angle DAC = 90^\circ$ .

$\angle ABC = ?$



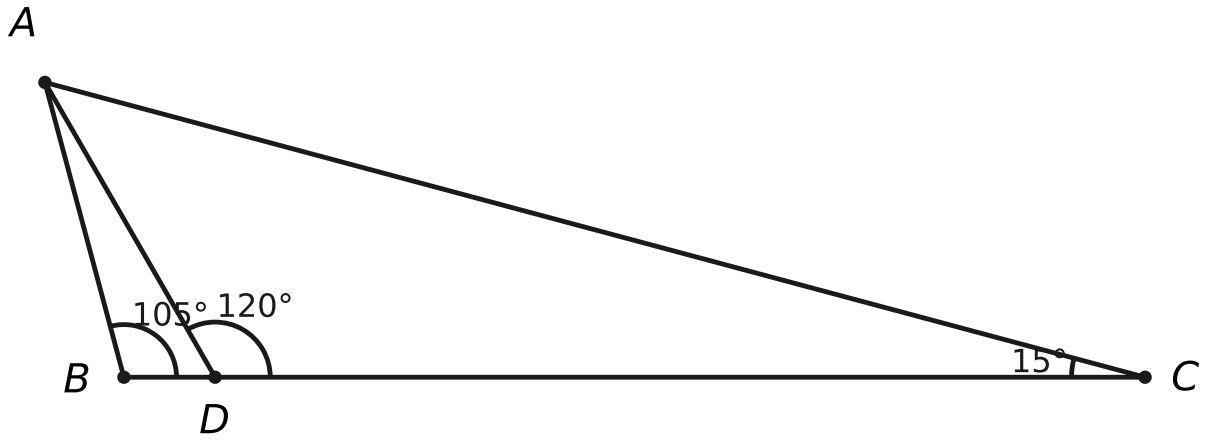
**Cevap:  $\angle ABC = 30^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

## Soru 2.0

$\angle ABC = 105^\circ$ ,  $\angle ACB = 15^\circ$ ,  $\angle ADC = 120^\circ$ .

$AD : BC = ?$



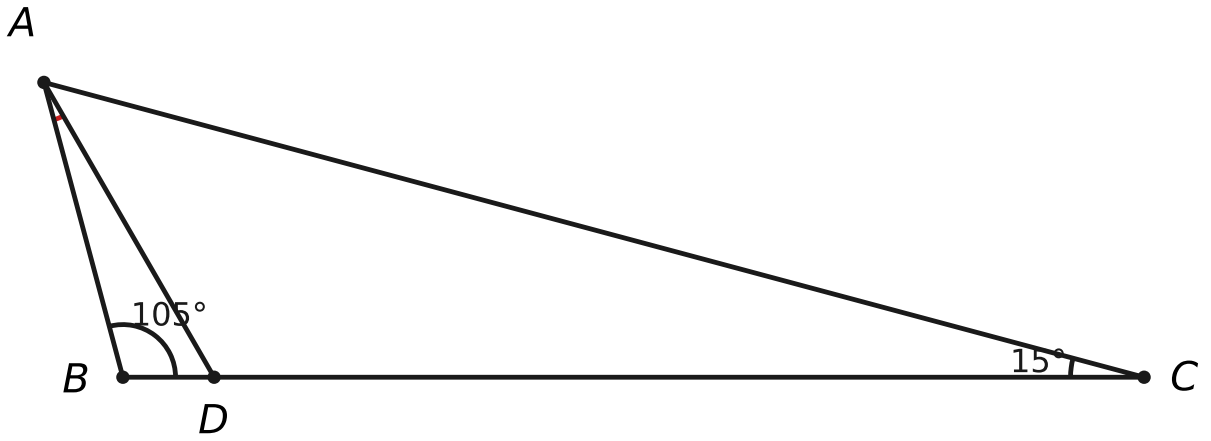
**Cevap:  $AD : BC = 1 : 3$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

### Soru 2.1

$AD : BC = 1 : 3$ ,  $\angle ABC = 105^\circ$ ,  $\angle ACB = 15^\circ$ .

$\angle BAD = ?$

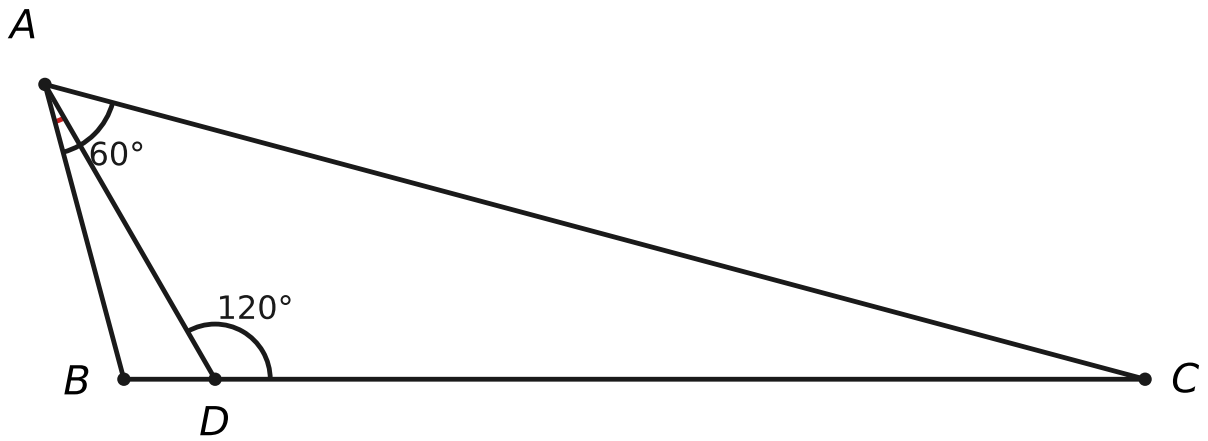


**Cevap:  $\angle BAD = 15^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

## Soru 2.2

$AD : BC = 1 : 3$ ,  $\angle BAC = 60^\circ$ ,  $\angle ADC = 120^\circ$ .  
 $\angle BAD = ?$

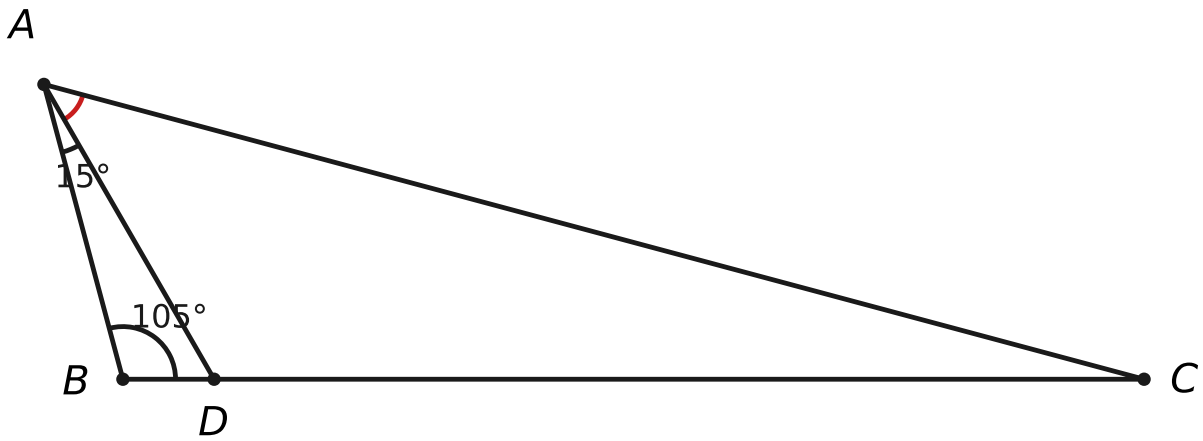


**Cevap:  $\angle BAD = 15^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

### Soru 2.3

$AD : BC = 1 : 3$ ,  $\angle ABC = 105^\circ$ ,  $\angle BAD = 15^\circ$ .  
 $\angle DAC = ?$

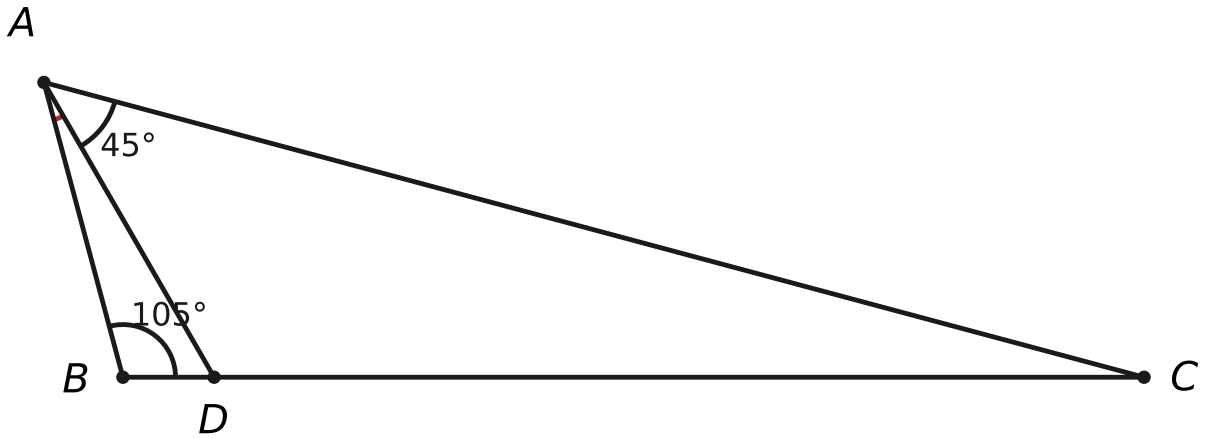


**Cevap:  $\angle DAC = 45^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

### Soru 2.4

$AD : BC = 1 : 3$ ,  $\angle ABC = 105^\circ$ ,  $\angle DAC = 45^\circ$ .  
 $\angle BAD = ?$



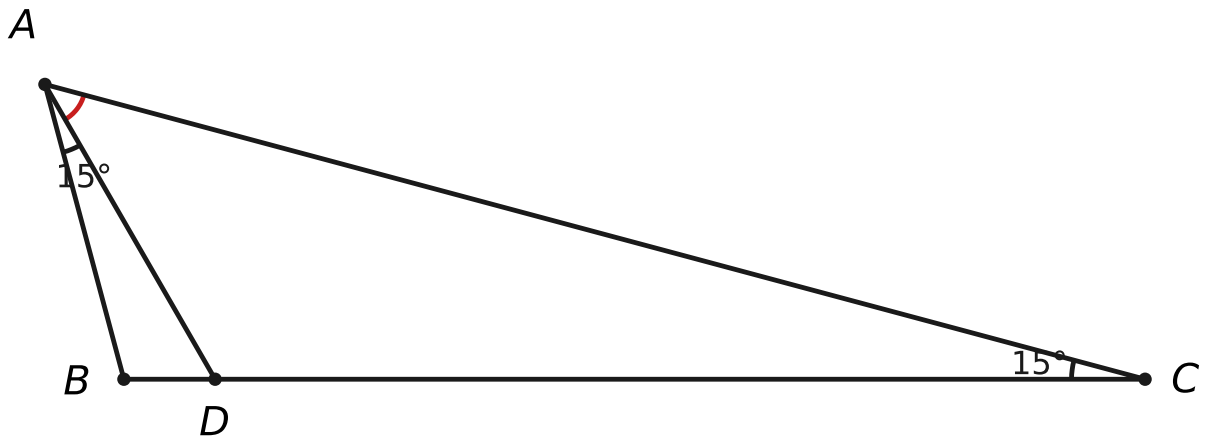
**Cevap:  $\angle BAD = 15^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

### Soru 2.5

$AD : BC = 1 : 3$ ,  $\angle ACB = 15^\circ$ ,  $\angle BAD = 15^\circ$ .

$\angle DAC = ?$



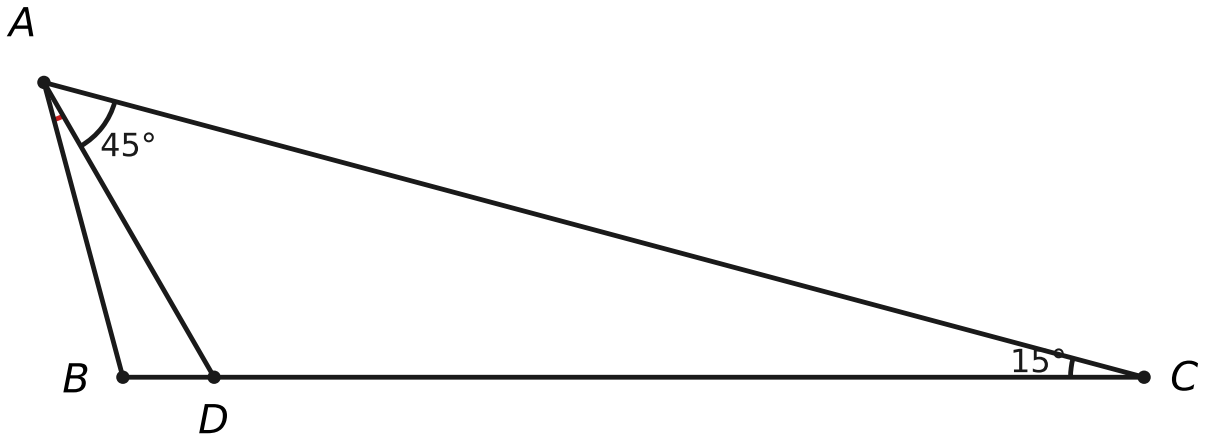
**Cevap:  $\angle DAC = 45^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

### Soru 2.6

$AD : BC = 1 : 3$ ,  $\angle ACB = 15^\circ$ ,  $\angle DAC = 45^\circ$ .

$\angle BAD = ?$



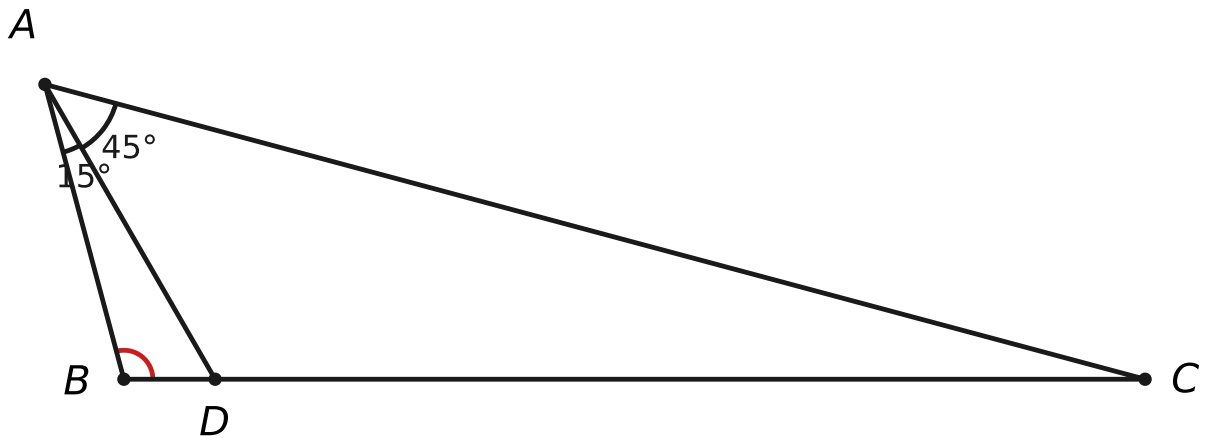
**Cevap:  $\angle BAD = 15^\circ$**

( $k_3 = 1/3$ ,  $N = 2$ ) ailesi

### Soru 2.7

$AD : BC = 1 : 3$ ,  $\angle BAD = 15^\circ$ ,  $\angle DAC = 45^\circ$ .

$\angle ABC = ?$



**Cevap:  $\angle ABC = 105^\circ$**

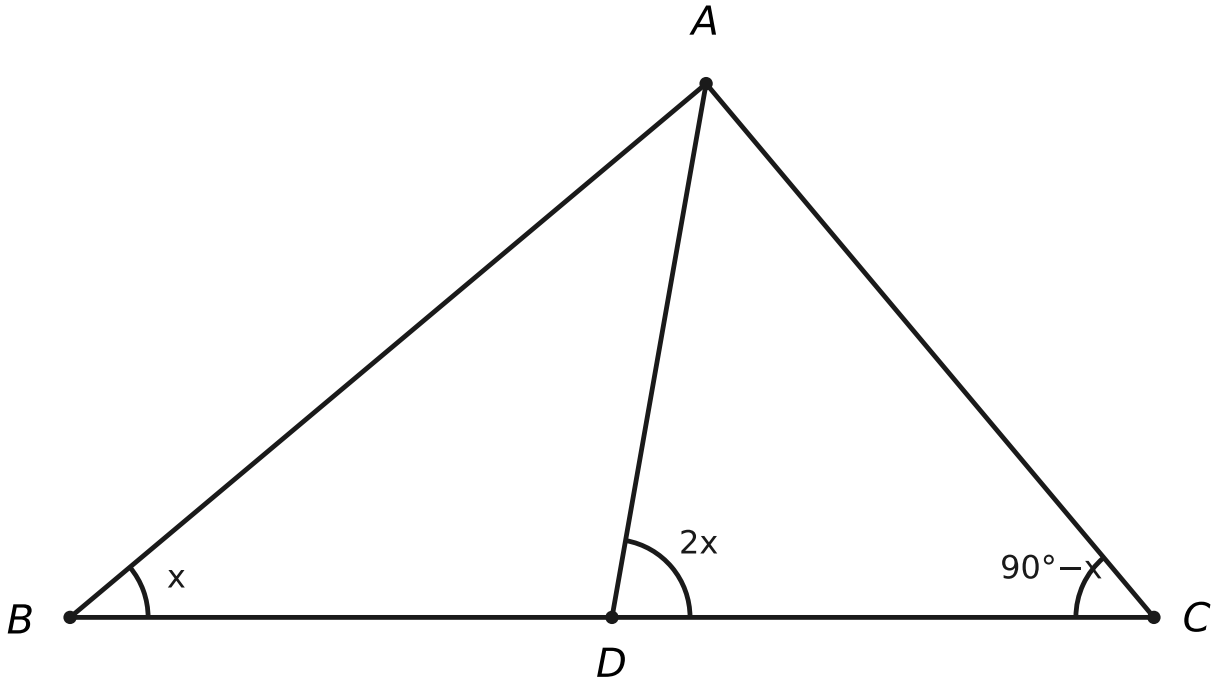
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.0

$\angle ABC = x$ ,  $\angle ACB = 90^\circ - x$ ,  $\angle ADC = 2x$ .

$AD : BC = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $AD : BC = 1 : 2$**

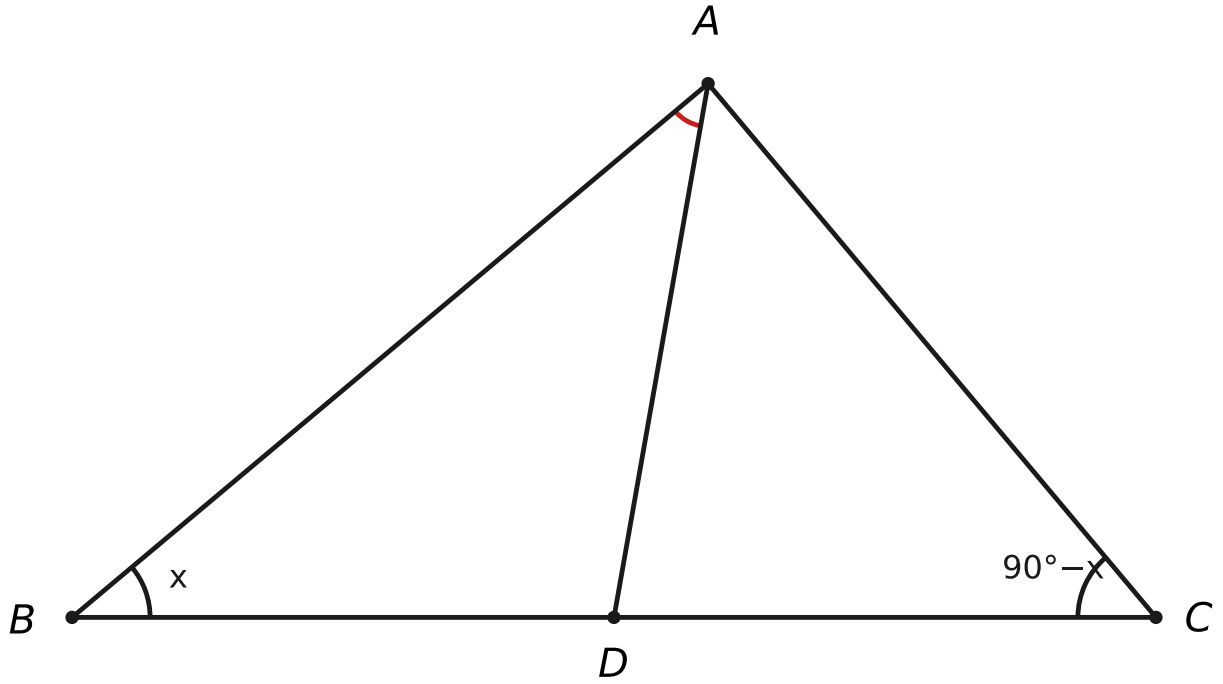
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.1

$AD : BC = 1 : 2$ ,  $\angle ABC = x$ ,  $\angle ACB = 90^\circ - x$ .

$\angle BAD = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = x$**

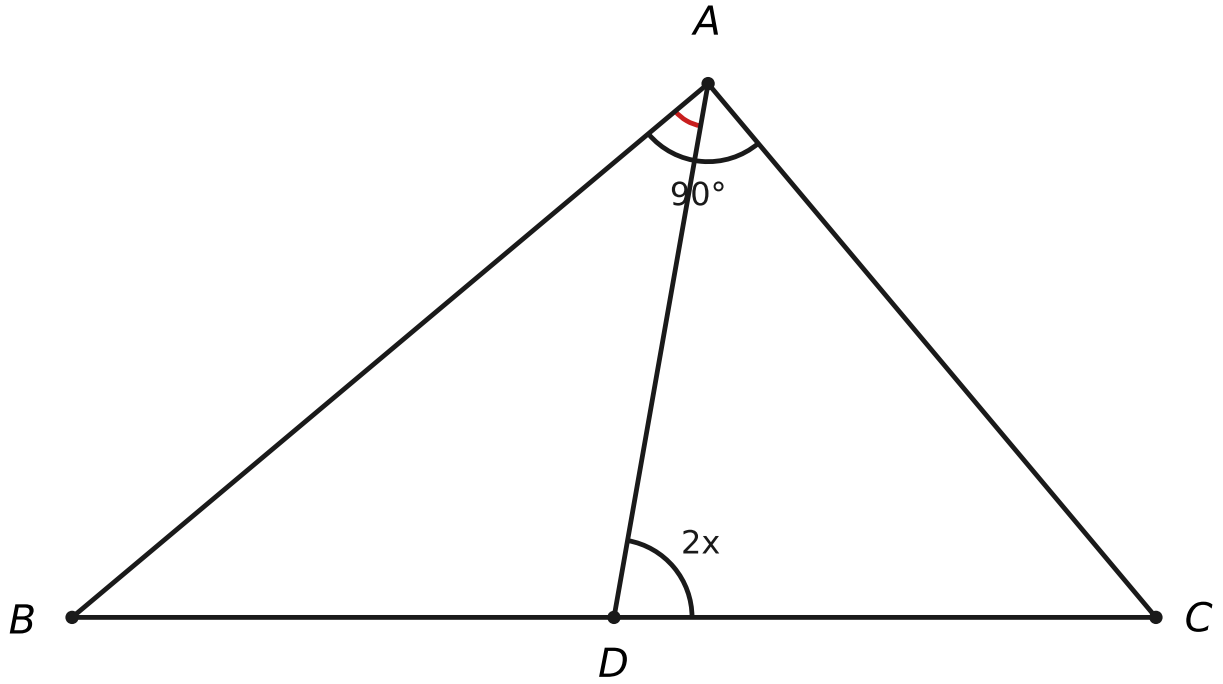
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.2

$AD : BC = 1 : 2$ ,  $\angle BAC = 90^\circ$ ,  $\angle ADC = 2x$ .

$\angle BAD = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = x$**

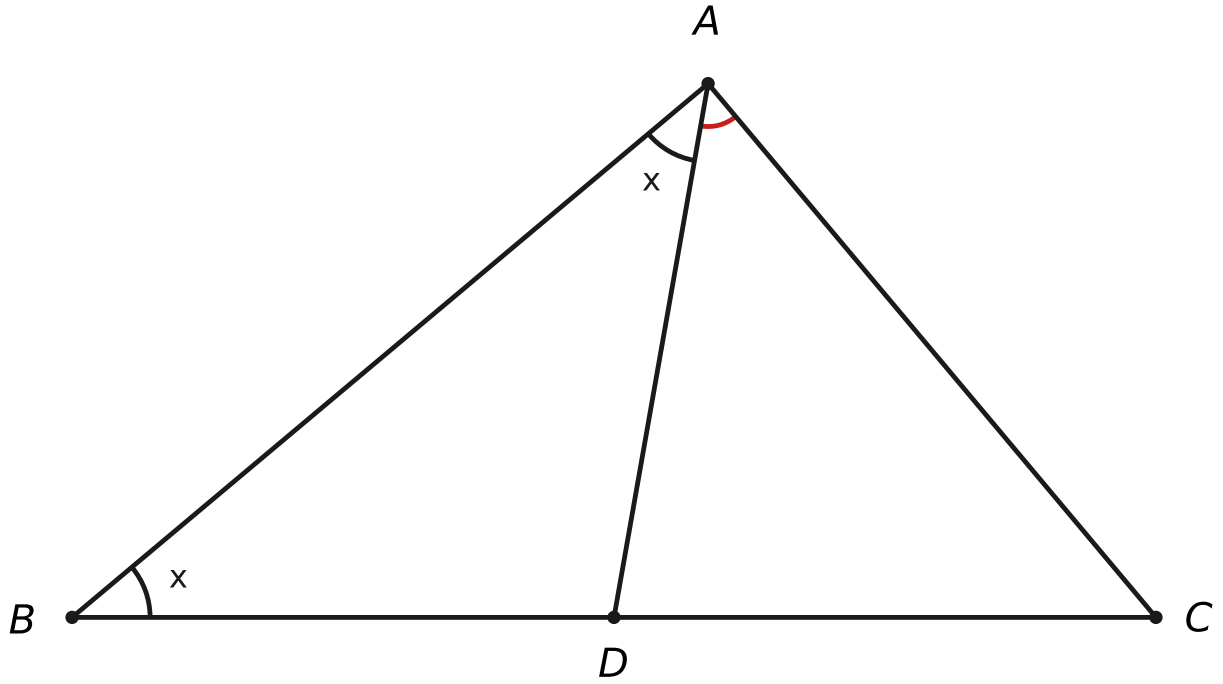
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.3

$AD : BC = 1 : 2$ ,  $\angle ABC = x$ ,  $\angle BAD = x$ .

$\angle DAC = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $\angle DAC = 90^\circ - x$**

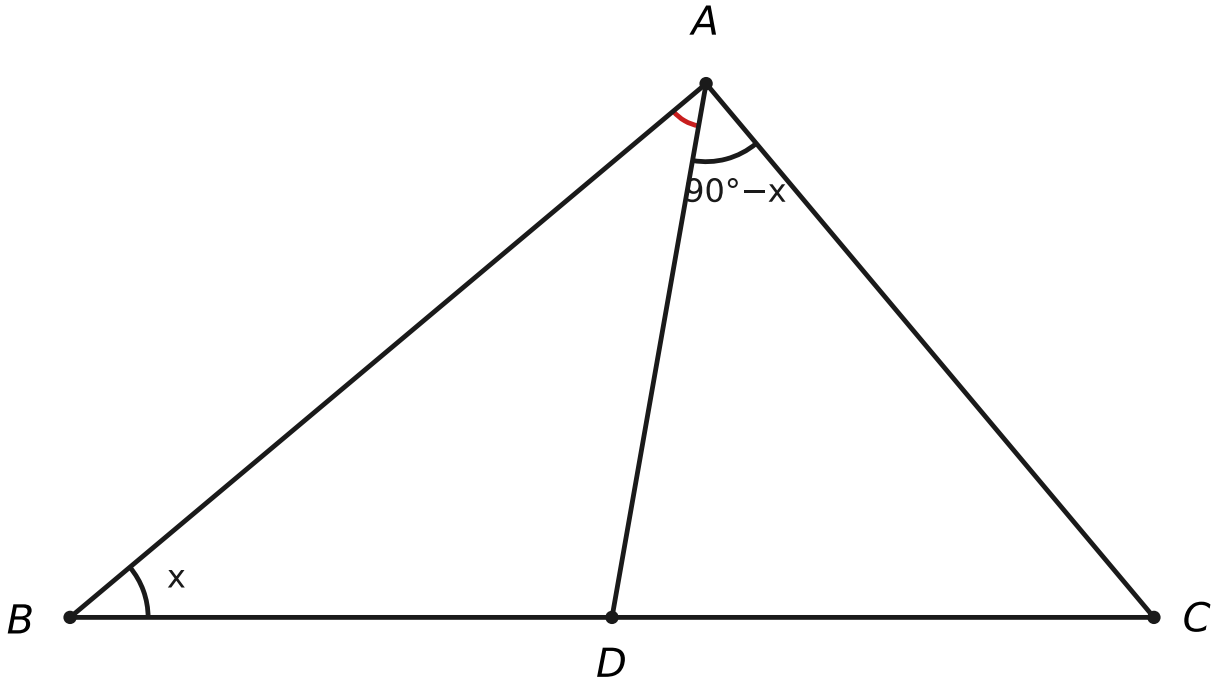
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.4

$AD : BC = 1 : 2$ ,  $\angle ABC = x$ ,  $\angle DAC = 90^\circ - x$ .

$\angle BAD = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = x$**

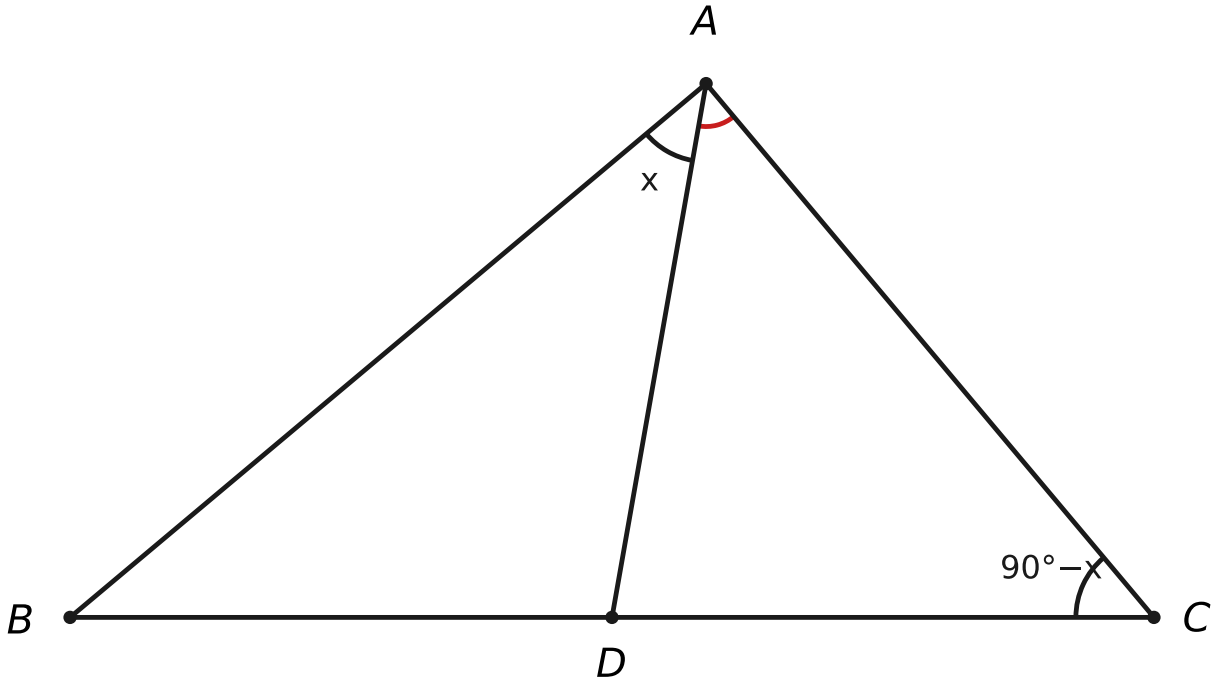
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.5

$AD : BC = 1 : 2$ ,  $\angle ACB = 90^\circ - x$ ,  $\angle BAD = x$ .

$\angle DAC = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $\angle DAC = 90^\circ - x$**

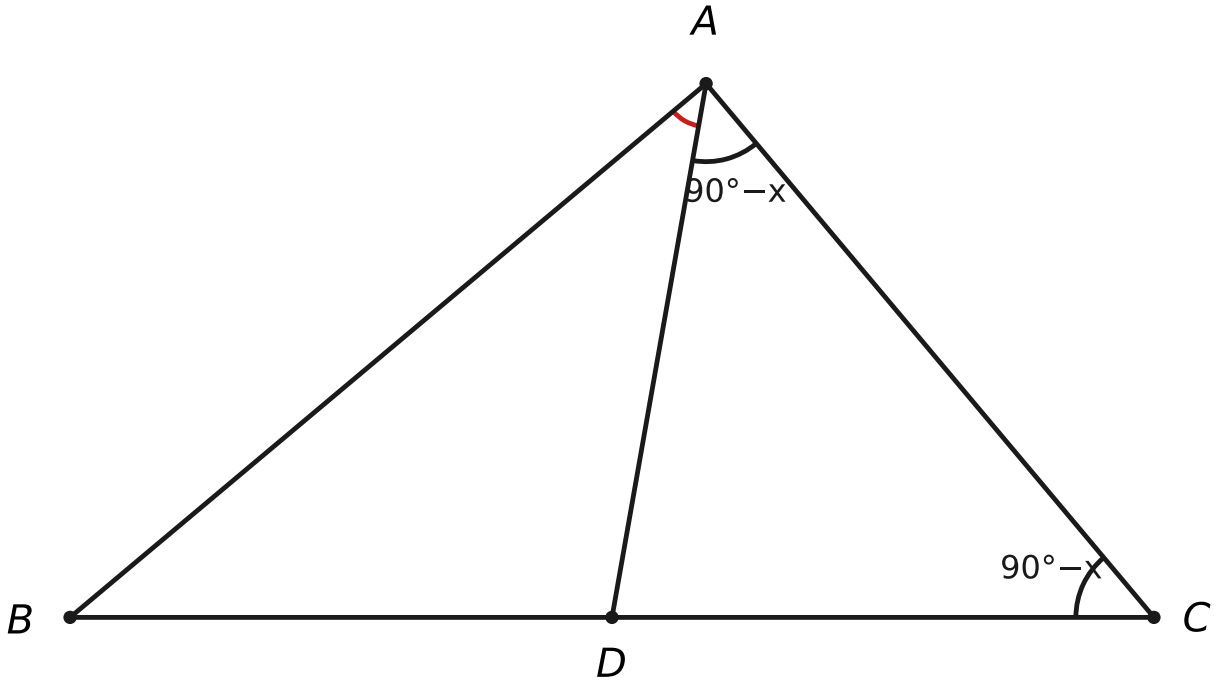
( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.6

$AD : BC = 1 : 2$ ,  $\angle ACB = 90^\circ - x$ ,  $\angle DAC = 90^\circ - x$ .

$\angle BAD = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



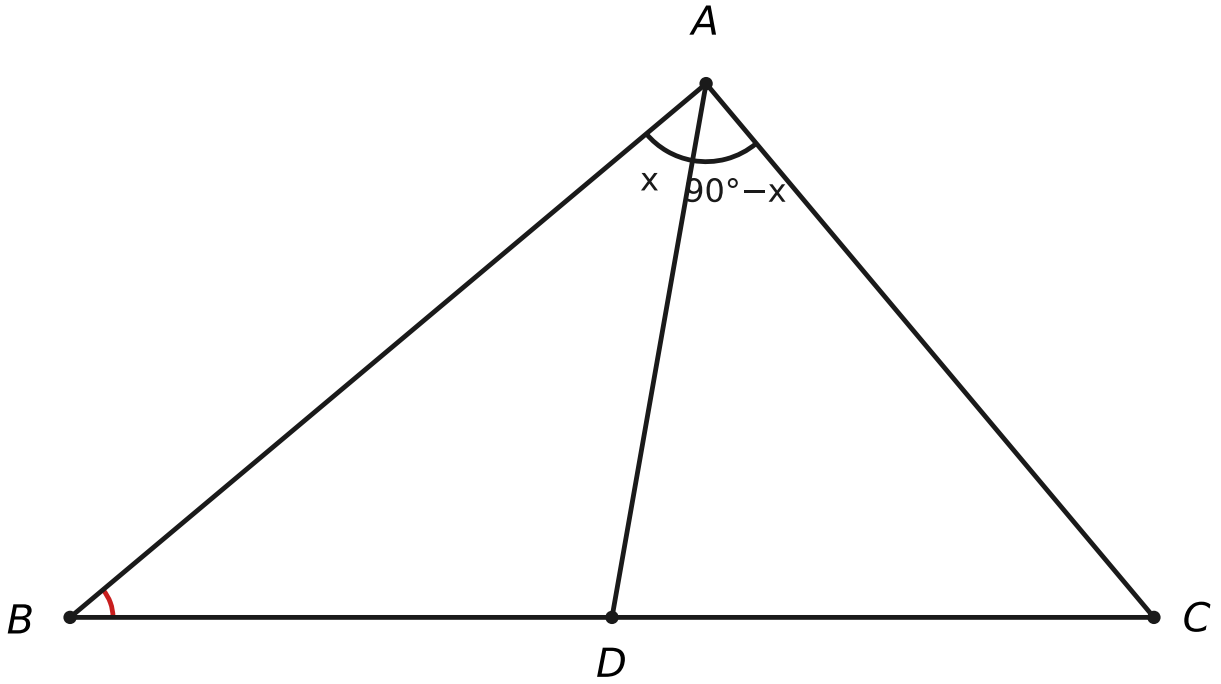
**Cevap:  $\angle BAD = x$**

( $k_3 = 1/2$ ,  $N = 1$ ) ailesi

### Soru 1.7

$AD : BC = 1 : 2$ ,  $\angle BAD = x$ ,  $\angle DAC = 90^\circ - x$ .  
 $\angle ABC = ?$

(Çizim  $x = 40^\circ$  için yapılmıştır)



**Cevap:  $\angle ABC = x$**

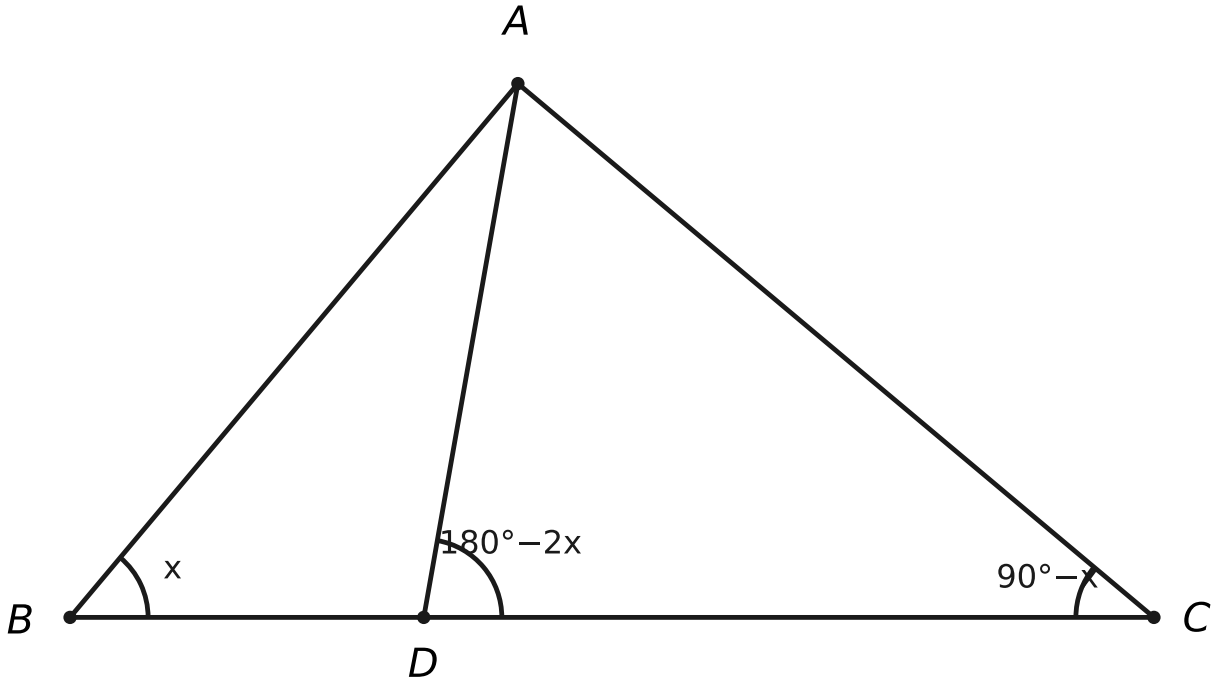
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

## Soru 2.0

$\angle ABC = x$ ,  $\angle ACB = 90^\circ - x$ ,  $\angle ADC = 180^\circ - 2x$ .

$AD : BC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $AD : BC = 1 : 2$**

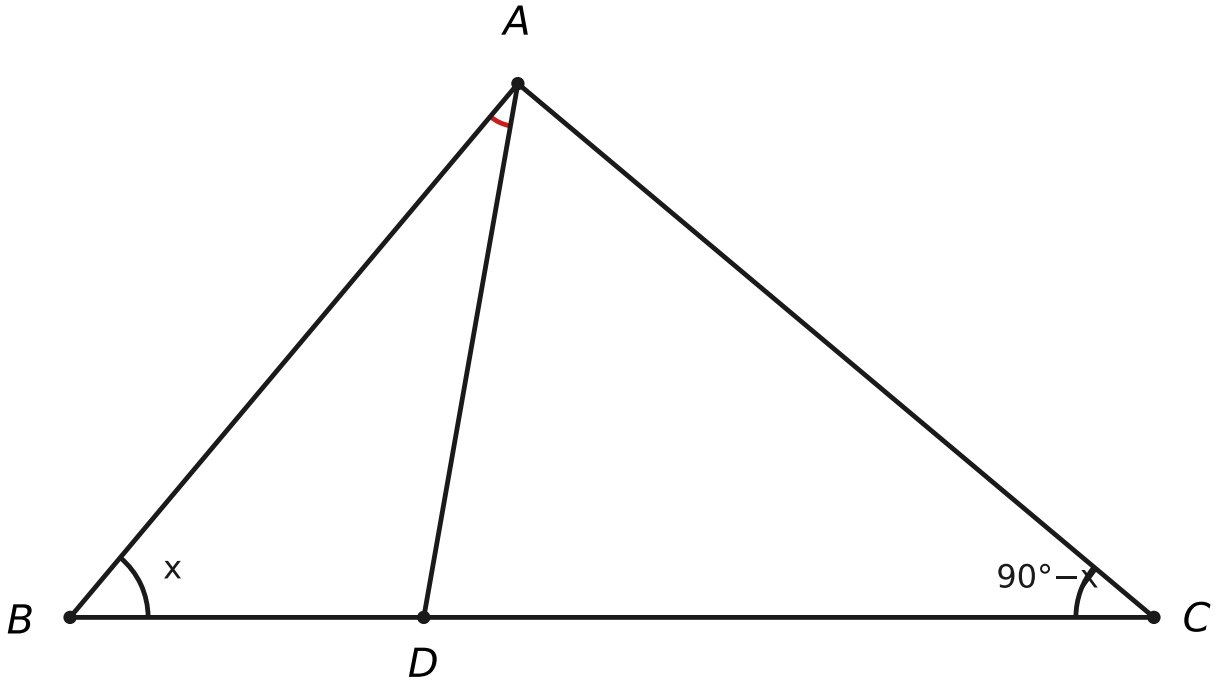
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

### Soru 2.1

$AD : BC = 1 : 2$ ,  $\angle ABC = x$ ,  $\angle ACB = 90^\circ - x$ .

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = 180^\circ - 3x$**

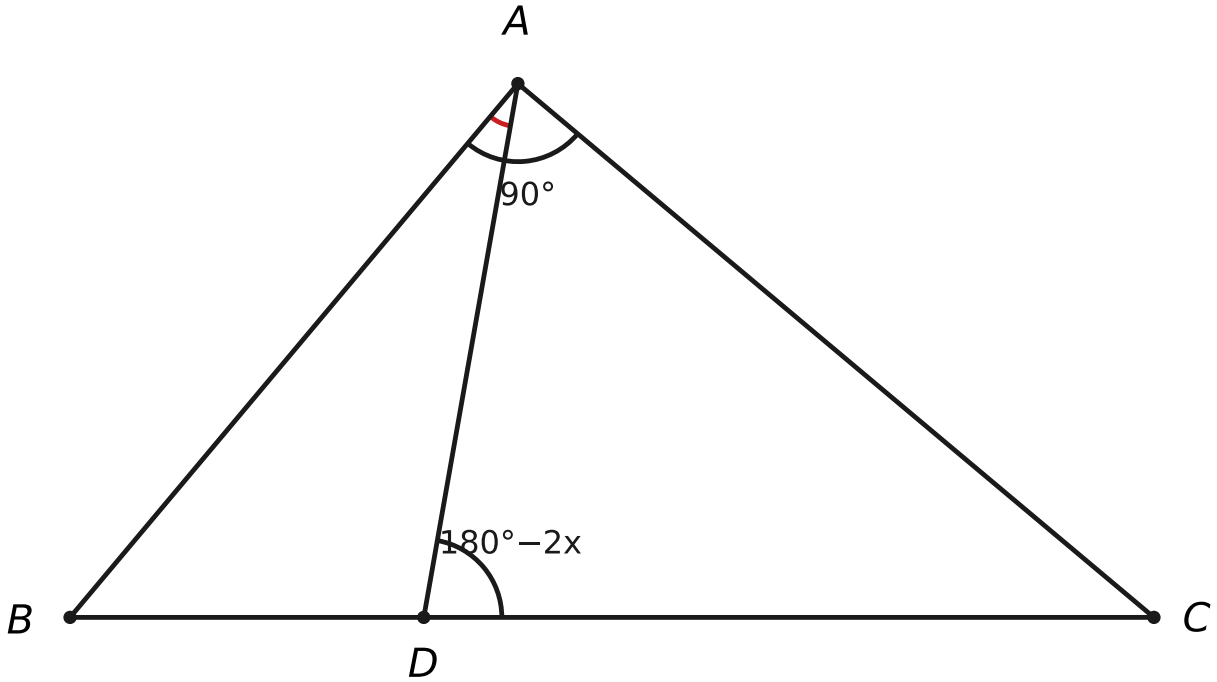
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

## Soru 2.2

$AD : BC = 1 : 2$ ,  $\angle BAC = 90^\circ$ ,  $\angle ADC = 180^\circ - 2x$ .

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = 180^\circ - 3x$**

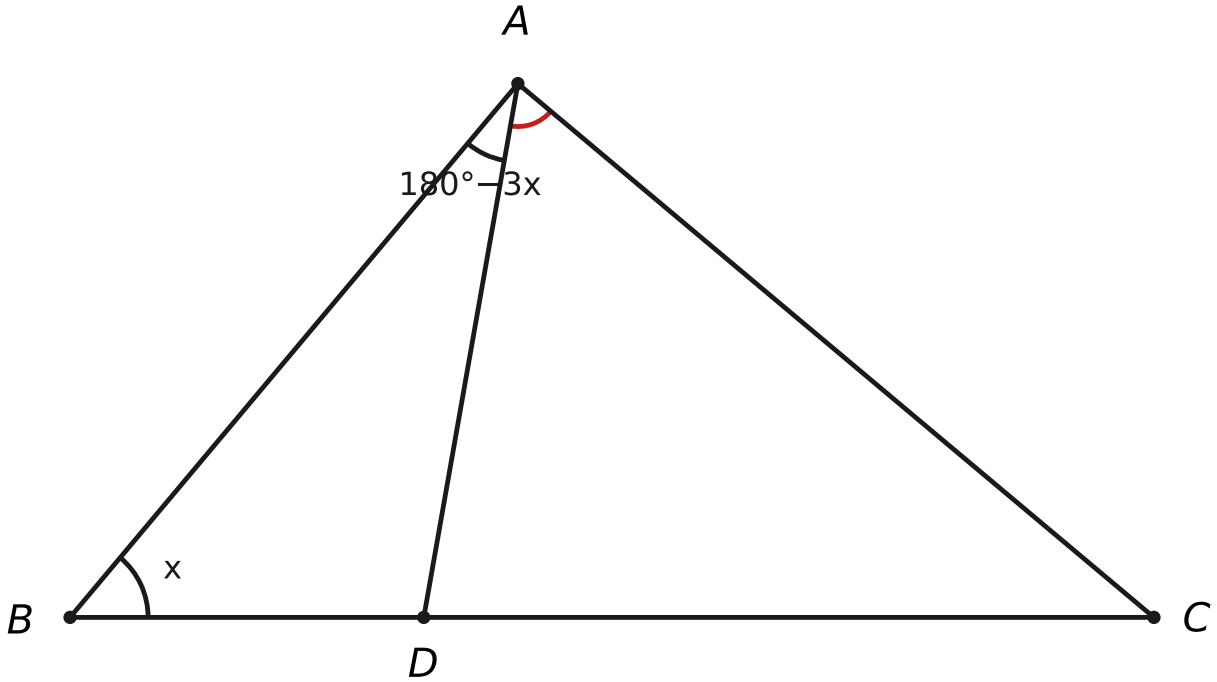
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

### Soru 2.3

$AD : BC = 1 : 2$ ,  $\angle ABC = x$ ,  $\angle BAD = 180^\circ - 3x$ .

$\angle DAC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle DAC = 3x - 90^\circ$**

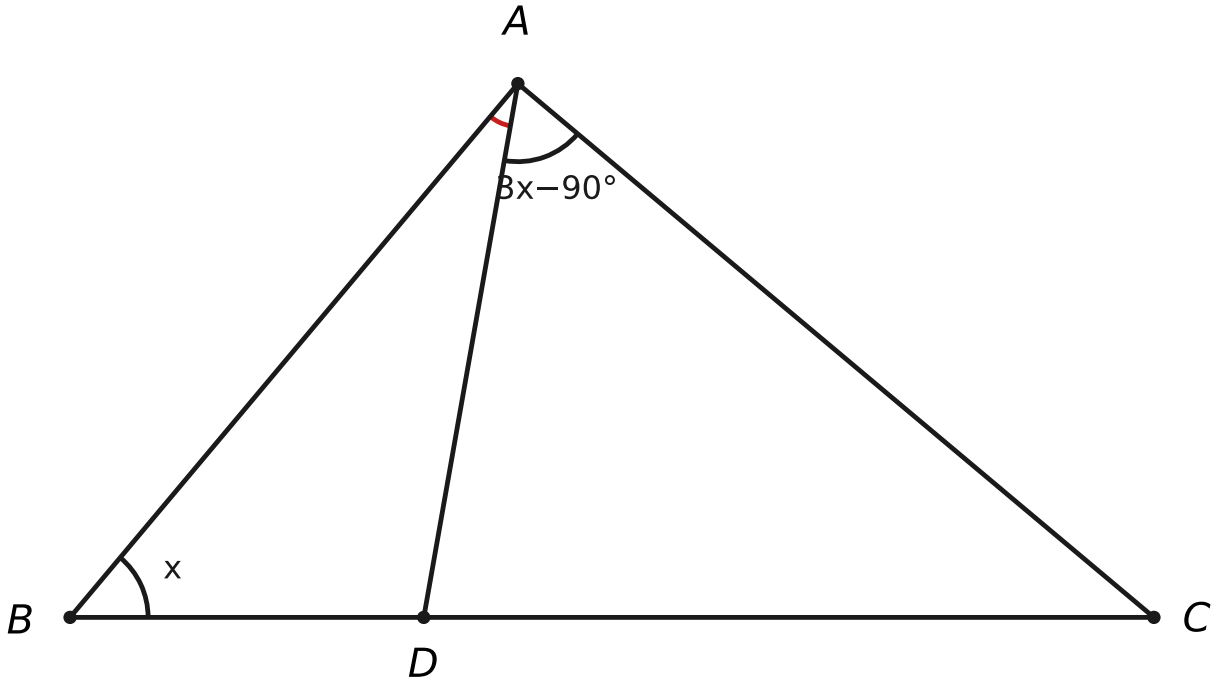
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

### Soru 2.4

$AD : BC = 1 : 2$ ,  $\angle ABC = x$ ,  $\angle DAC = 3x - 90^\circ$ .

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = 180^\circ - 3x$**

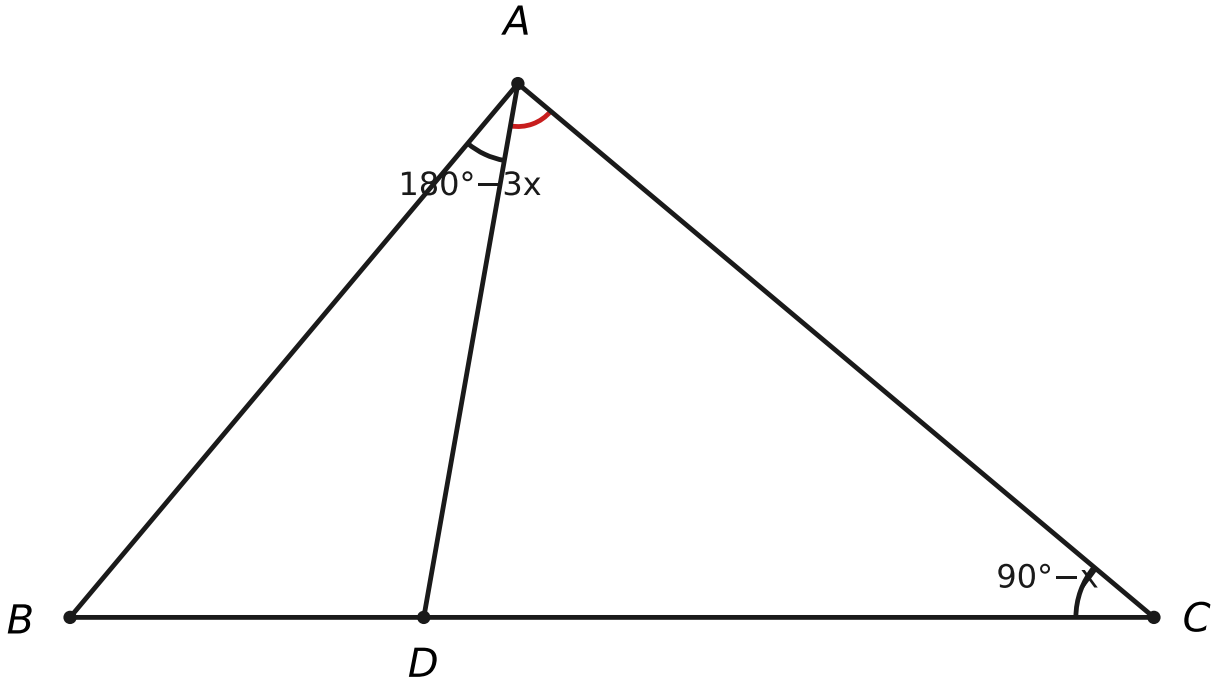
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

### Soru 2.5

$AD : BC = 1 : 2$ ,  $\angle ACB = 90^\circ - x$ ,  $\angle BAD = 180^\circ - 3x$ .

$\angle DAC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle DAC = 3x - 90^\circ$**

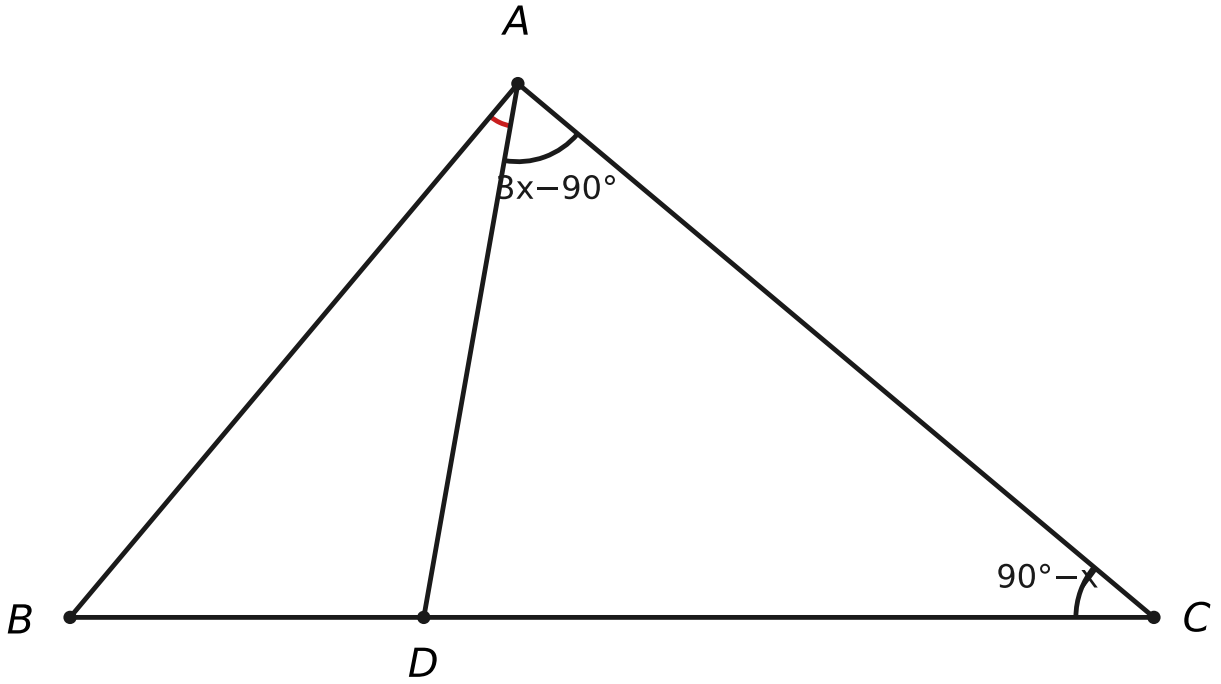
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

### Soru 2.6

$AD : BC = 1 : 2$ ,  $\angle ACB = 90^\circ - x$ ,  $\angle DAC = 3x - 90^\circ$ .

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = 180^\circ - 3x$**

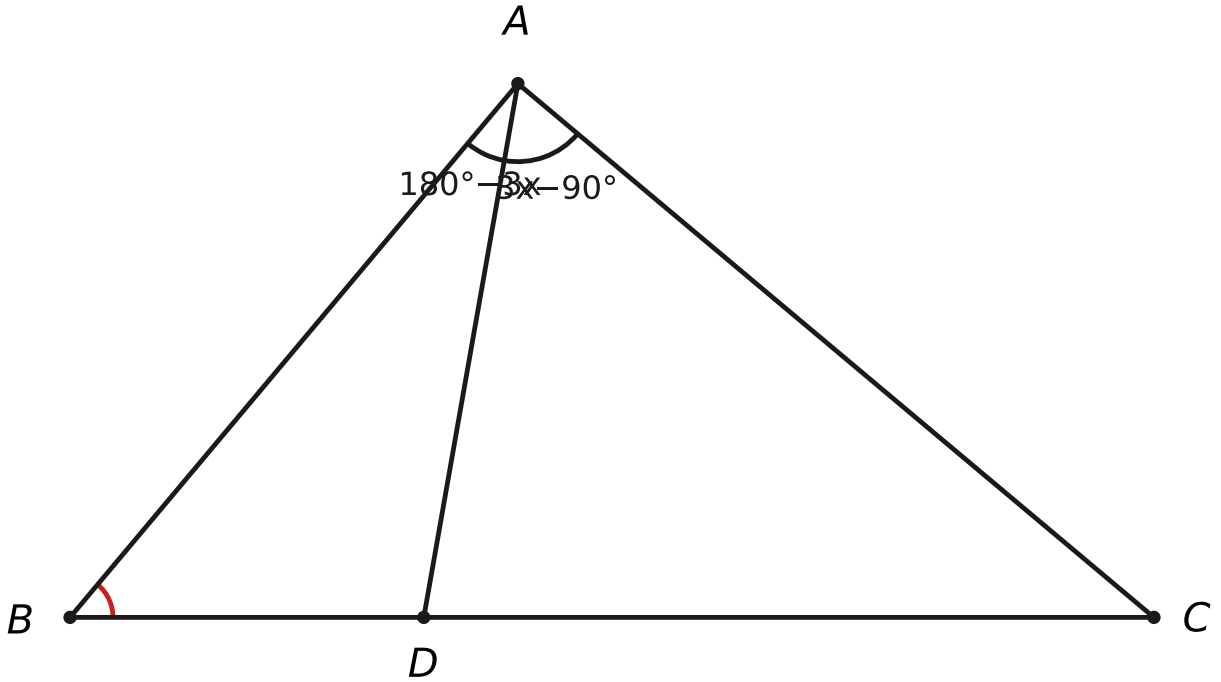
( $k_3 = 1/2$ ,  $N = 2$ ) ailesi

### Soru 2.7

$AD : BC = 1 : 2$ ,  $\angle BAD = 180^\circ - 3x$ ,  $\angle DAC = 3x - 90^\circ$ .

$\angle ABC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



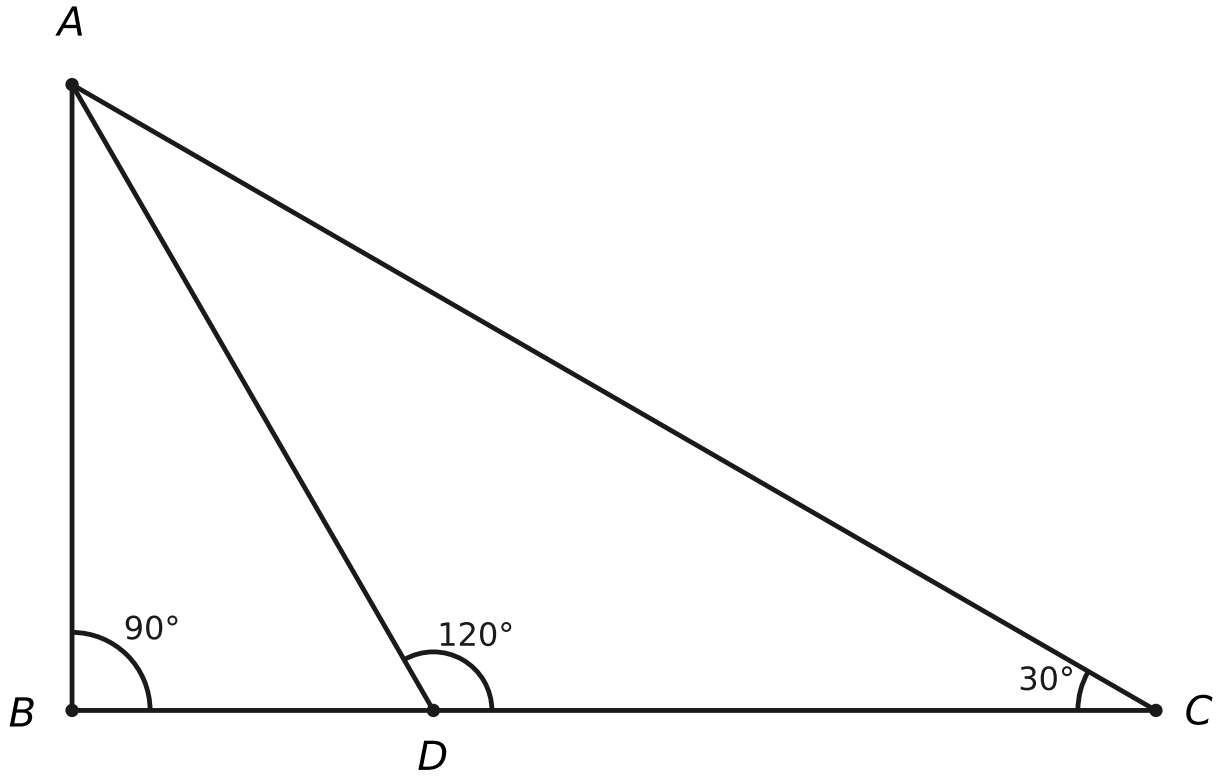
**Cevap:  $\angle ABC = x$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.0

$\angle ABC = 90^\circ$ ,  $\angle ACB = 30^\circ$ ,  $\angle ADC = 120^\circ$ .

$AD : BC = ?$



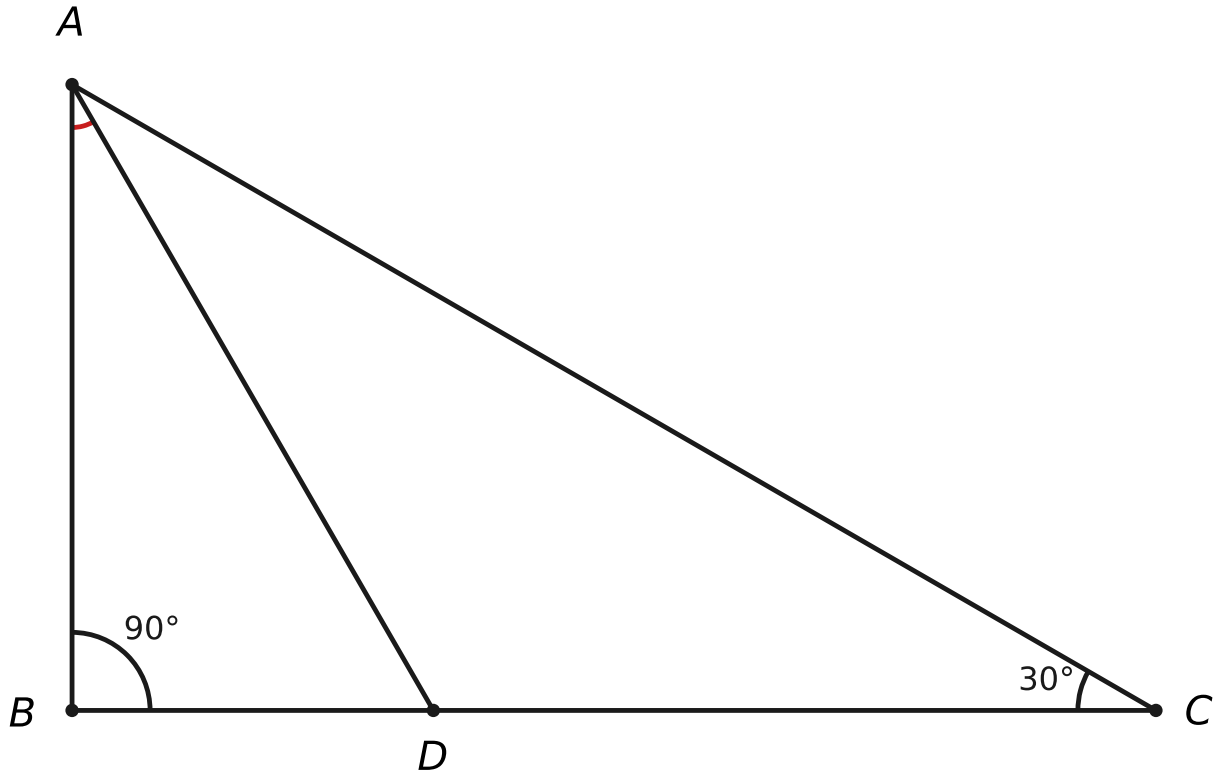
**Cevap:  $AD : BC = 2 : 3$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.1

$AD : BC = 2 : 3$ ,  $\angle ABC = 90^\circ$ ,  $\angle ACB = 30^\circ$ .

$\angle BAD = ?$

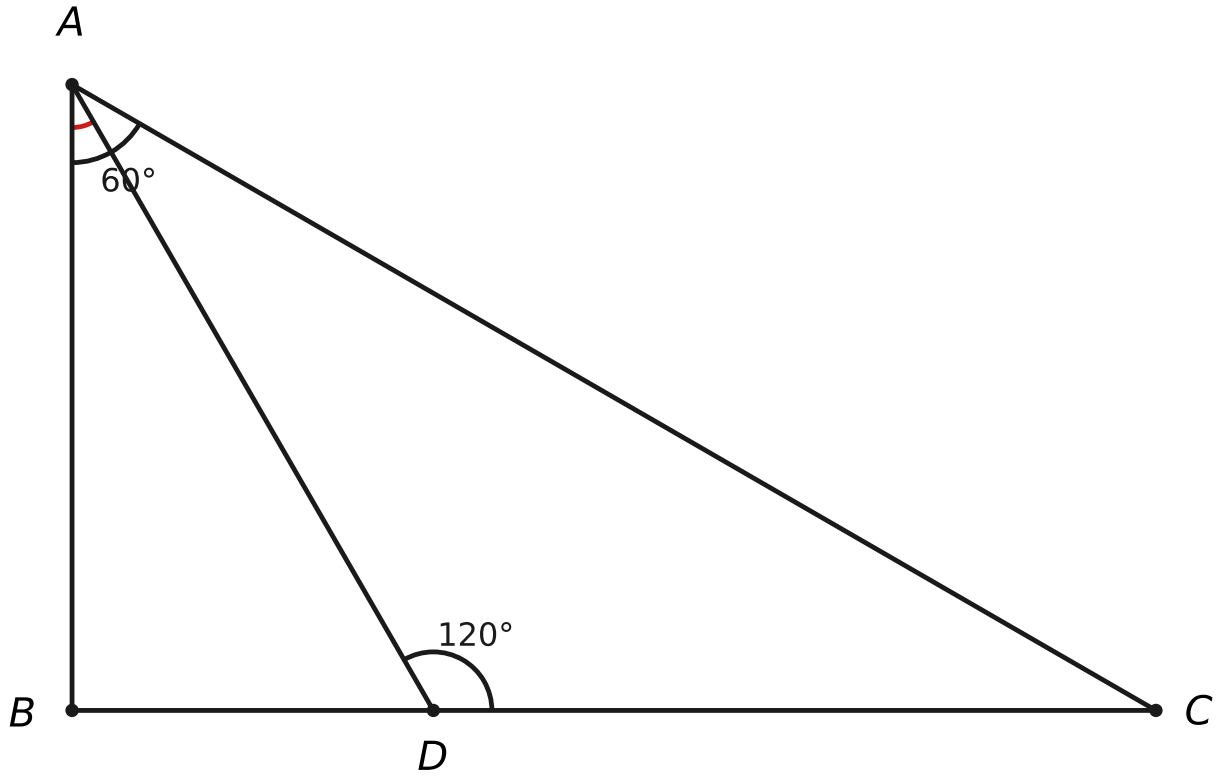


**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.2

$AD : BC = 2 : 3$ ,  $\angle BAC = 60^\circ$ ,  $\angle ADC = 120^\circ$ .  
 $\angle BAD = ?$

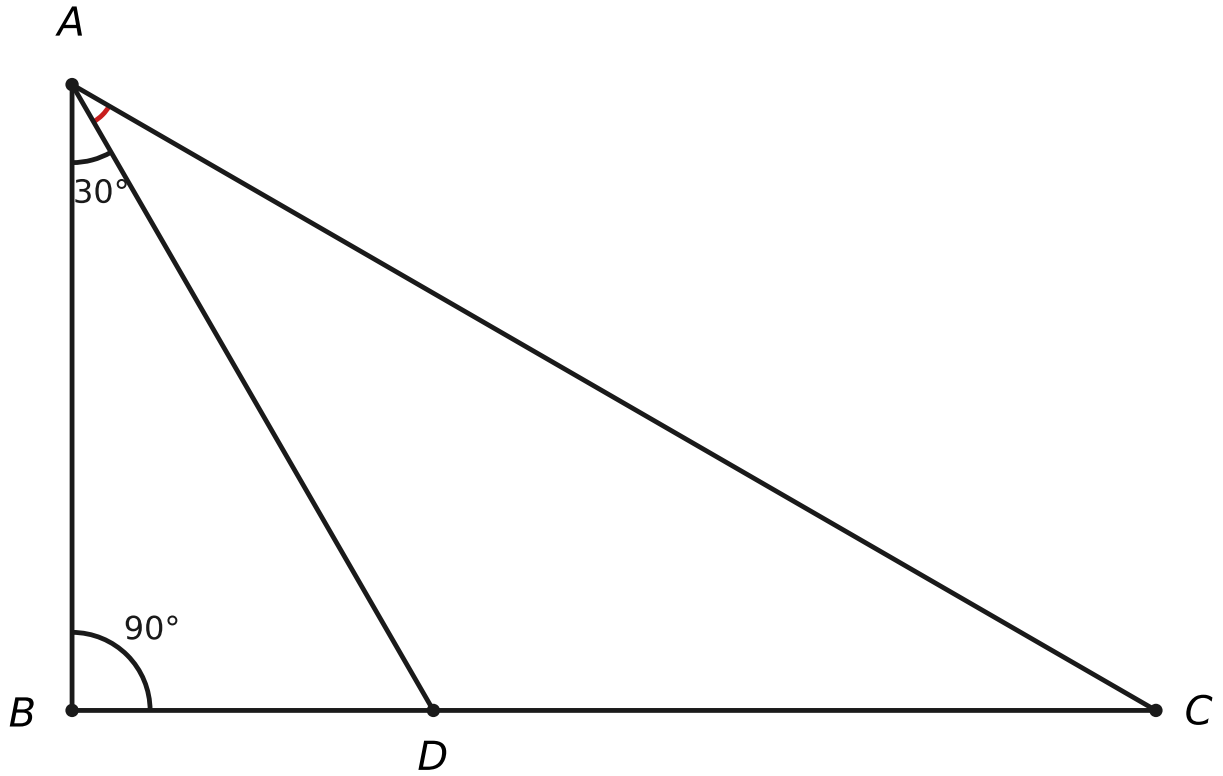


**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.3

$AD : BC = 2 : 3$ ,  $\angle ABC = 90^\circ$ ,  $\angle BAD = 30^\circ$ .  
 $\angle DAC = ?$



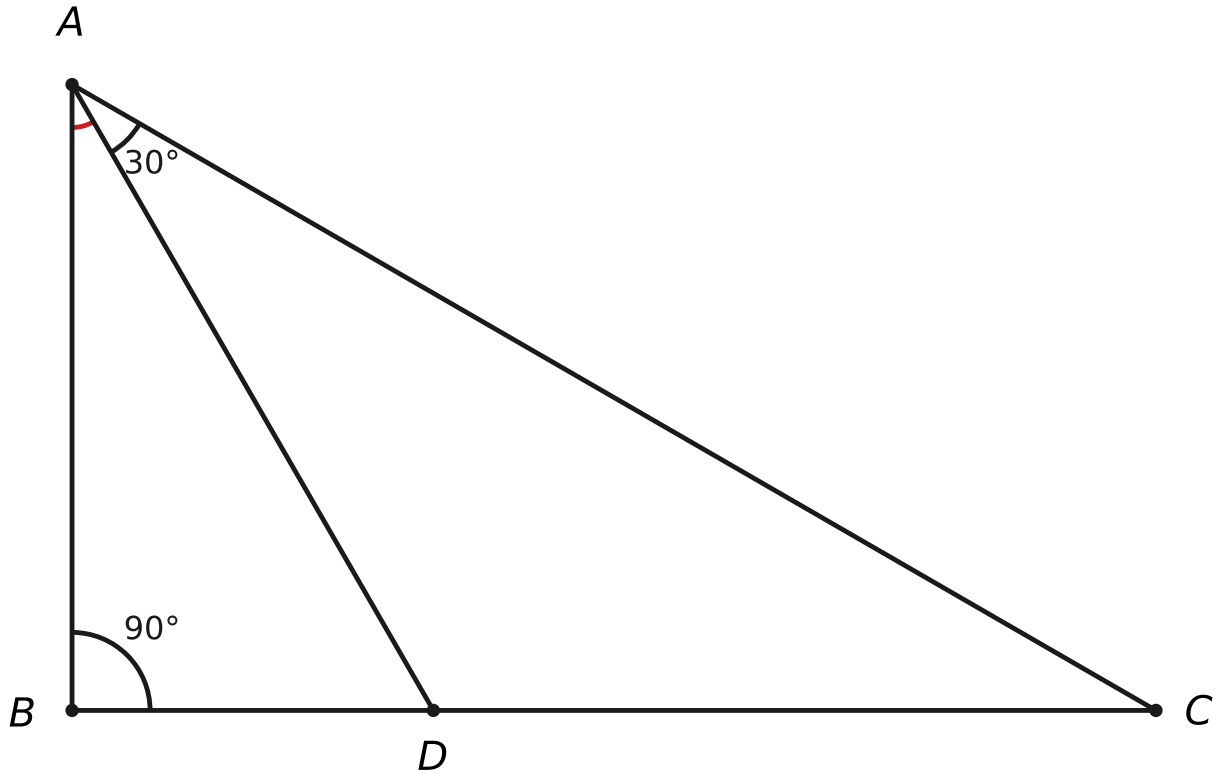
**Cevap:  $\angle DAC = 30^\circ$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.4

$AD : BC = 2 : 3$ ,  $\angle ABC = 90^\circ$ ,  $\angle DAC = 30^\circ$ .

$\angle BAD = ?$



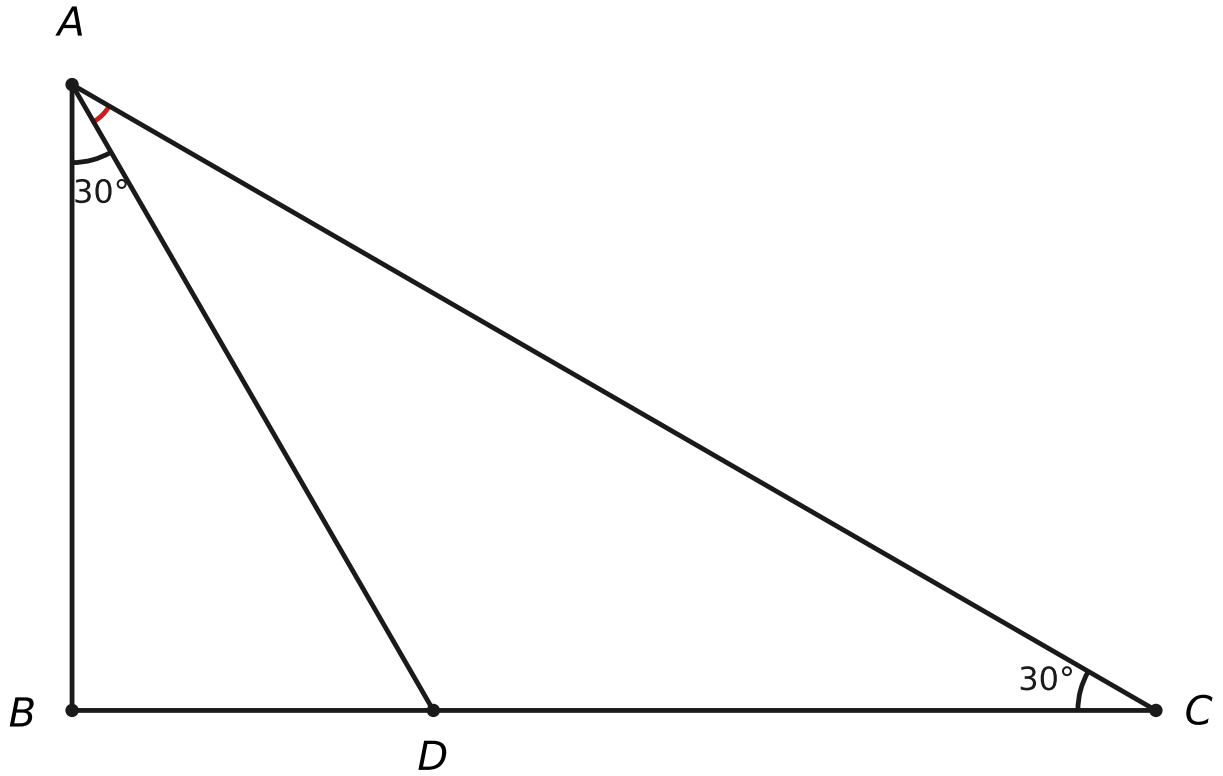
**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.5

$AD : BC = 2 : 3$ ,  $\angle ACB = 30^\circ$ ,  $\angle BAD = 30^\circ$ .

$\angle DAC = ?$



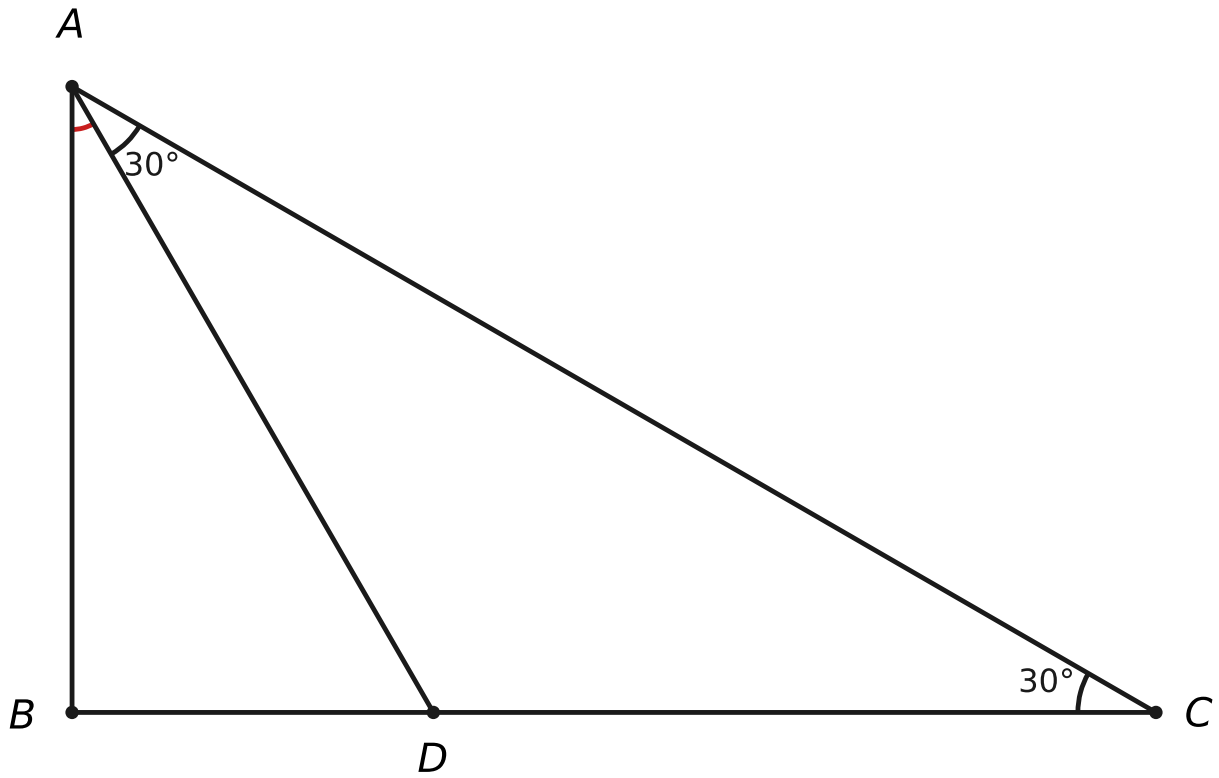
**Cevap:  $\angle DAC = 30^\circ$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.6

$AD : BC = 2 : 3$ ,  $\angle ACB = 30^\circ$ ,  $\angle DAC = 30^\circ$ .

$\angle BAD = ?$



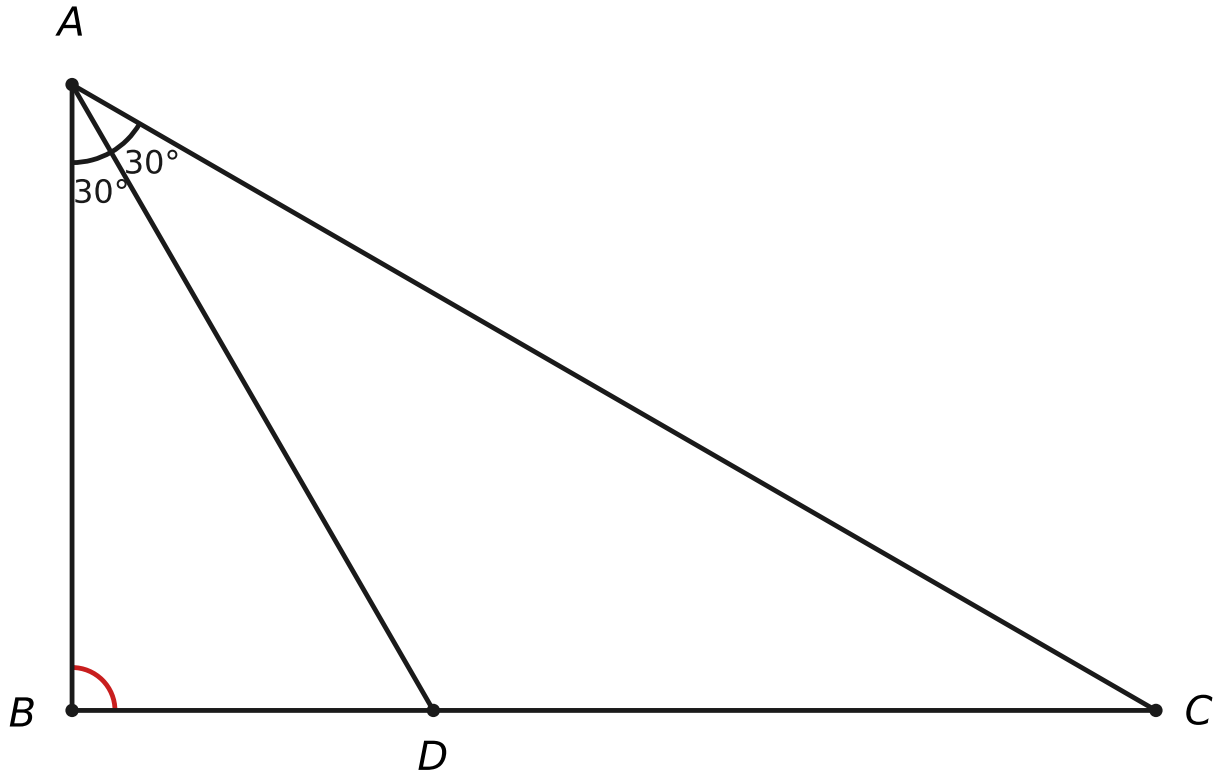
**Cevap:  $\angle BAD = 30^\circ$**

( $k_3 = 2/3$ ,  $N = 1$ ) ailesi

### Soru 1.7

$AD : BC = 2 : 3$ ,  $\angle BAD = 30^\circ$ ,  $\angle DAC = 30^\circ$ .

$\angle ABC = ?$



**Cevap:  $\angle ABC = 90^\circ$**

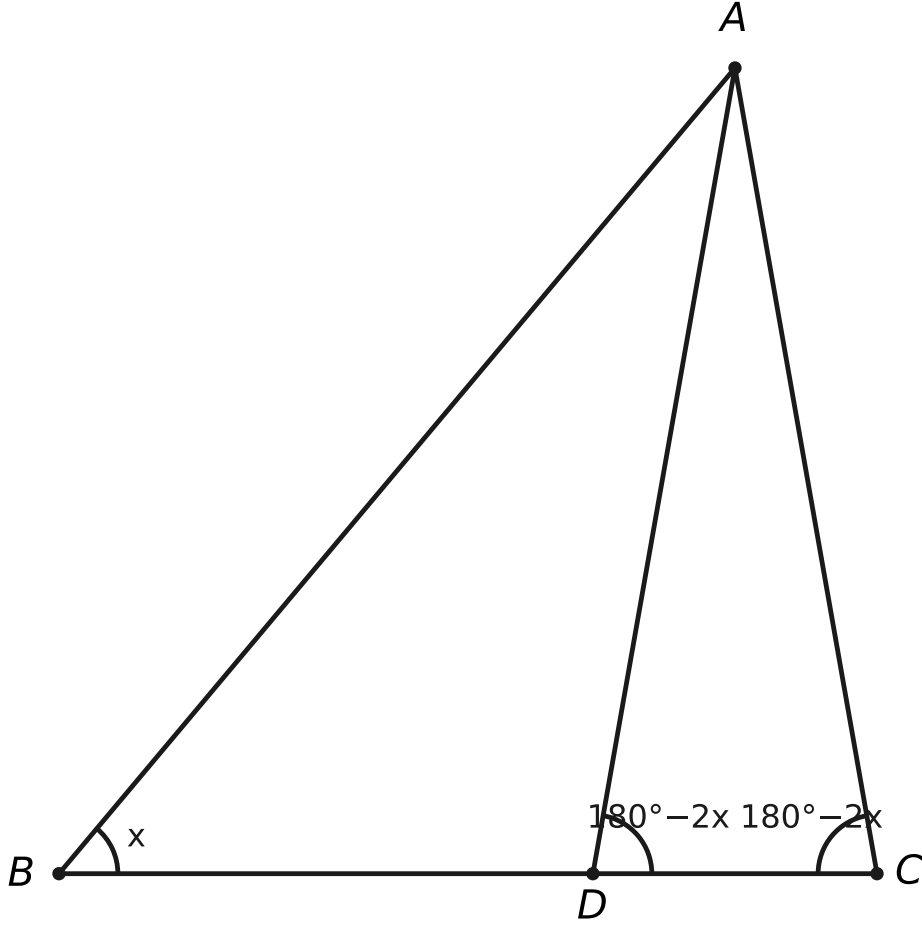
( $k_3 = 1$ ,  $N = 1$ ) ailesi

### Soru 1.0

$\angle ABC = x$ ,  $\angle ACB = 180^\circ - 2x$ ,  $\angle ADC = 180^\circ - 2x$ .

$AD : BC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $AD : BC = 1 : 1$**

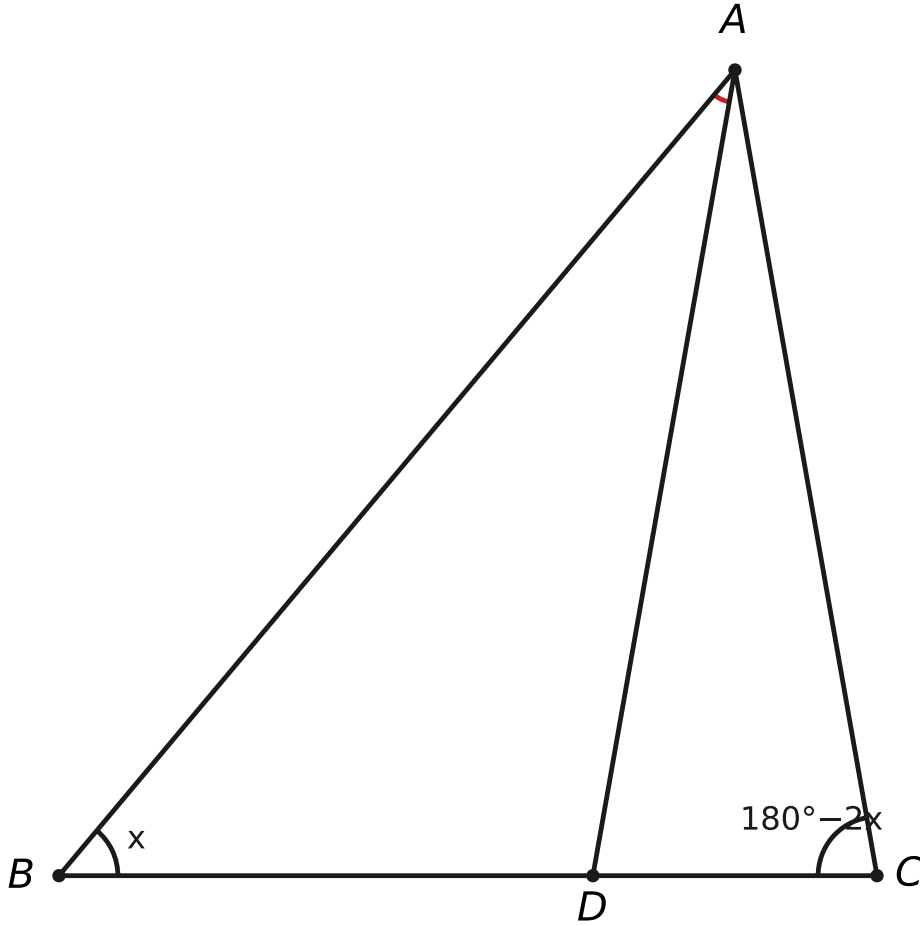
( $k_3 = 1, N = 1$ ) ailesi

### Soru 1.1

$AD : BC = 1 : 1, \angle ABC = x, \angle ACB = 180^\circ - 2x.$

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = 180^\circ - 3x$**

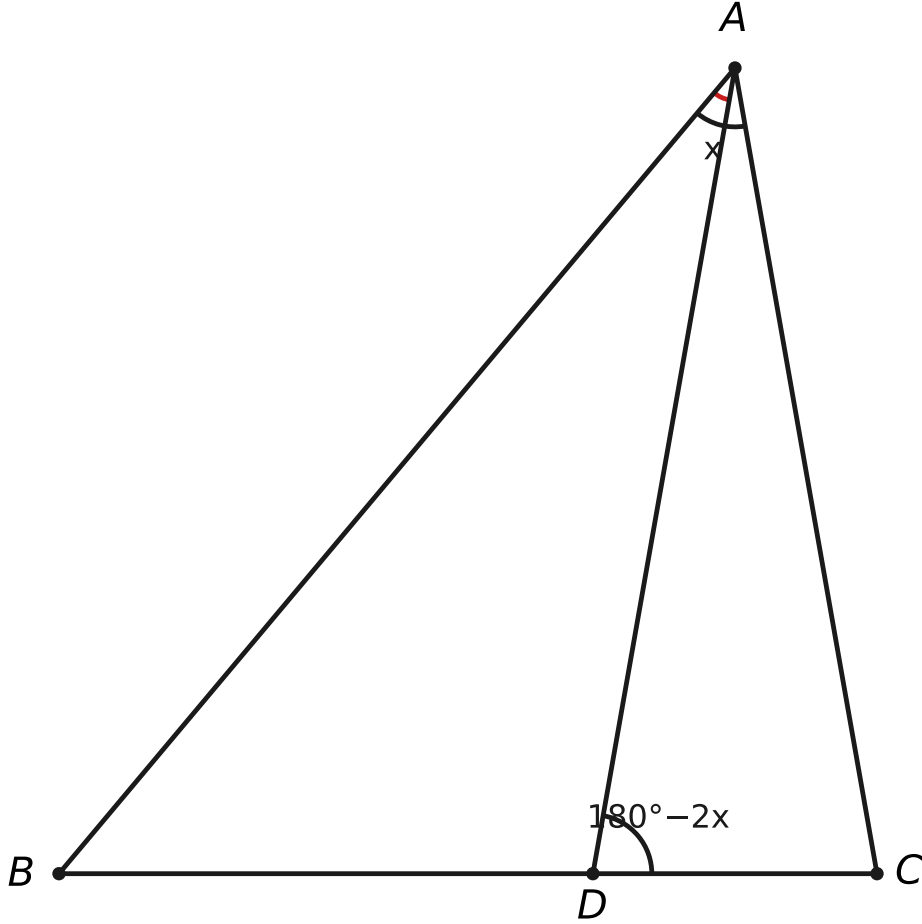
( $k_3 = 1$ ,  $N = 1$ ) ailesi

### Soru 1.2

$AD : BC = 1 : 1$ ,  $\angle BAC = x$ ,  $\angle ADC = 180^\circ - 2x$ .

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle BAD = 180^\circ - 3x$**

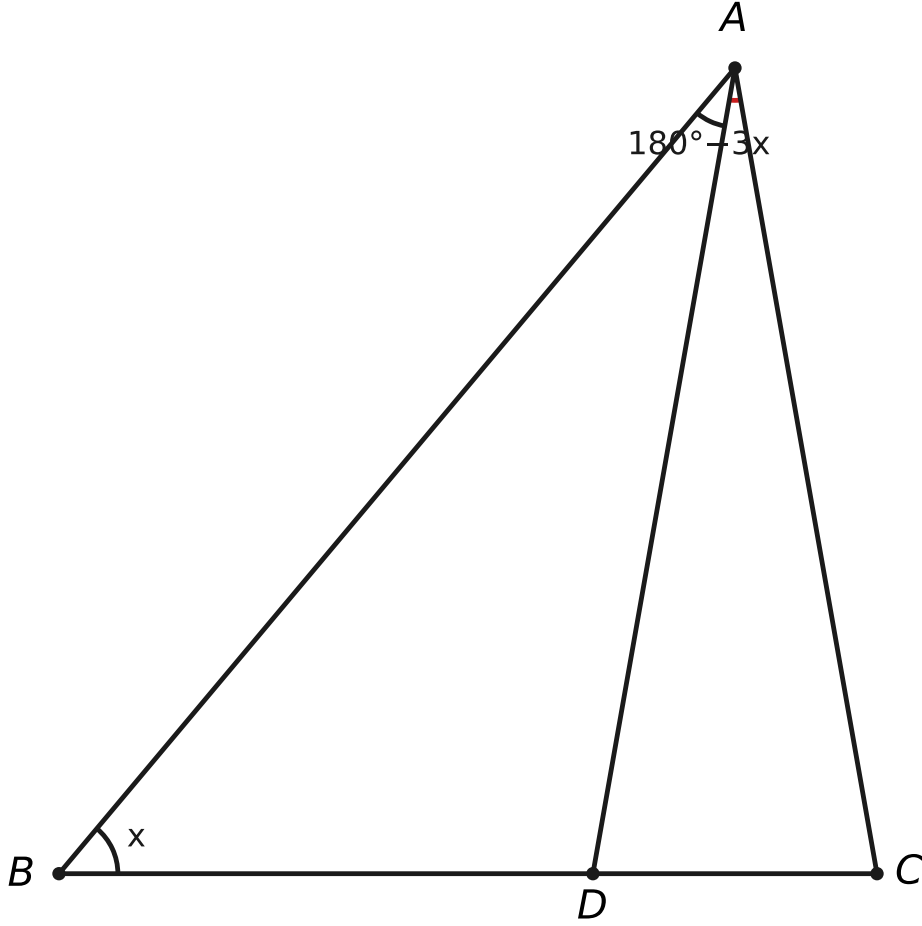
( $k_3 = 1, N = 1$ ) ailesi

### Soru 1.3

$AD : BC = 1 : 1, \angle ABC = x, \angle BAD = 180^\circ - 3x.$

$\angle DAC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle DAC = 4x - 180^\circ$**

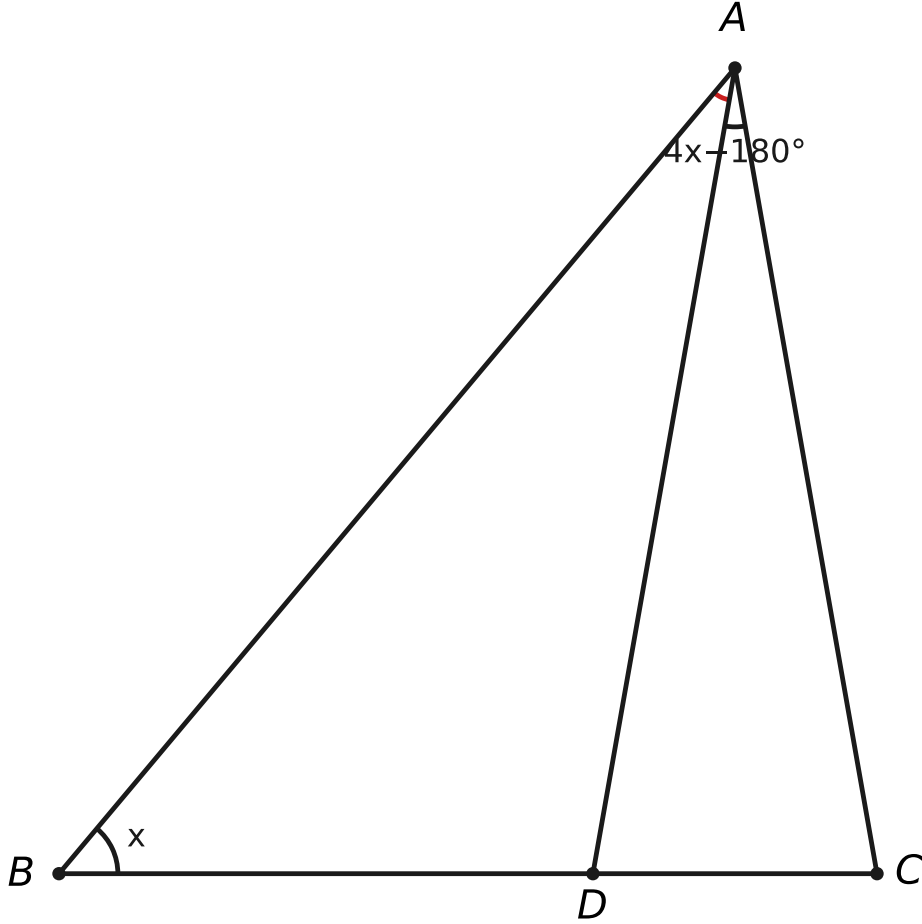
( $k_3 = 1$ ,  $N = 1$ ) ailesi

### Soru 1.4

$AD : BC = 1 : 1$ ,  $\angle ABC = x$ ,  $\angle DAC = 4x - 180^\circ$ .

$\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



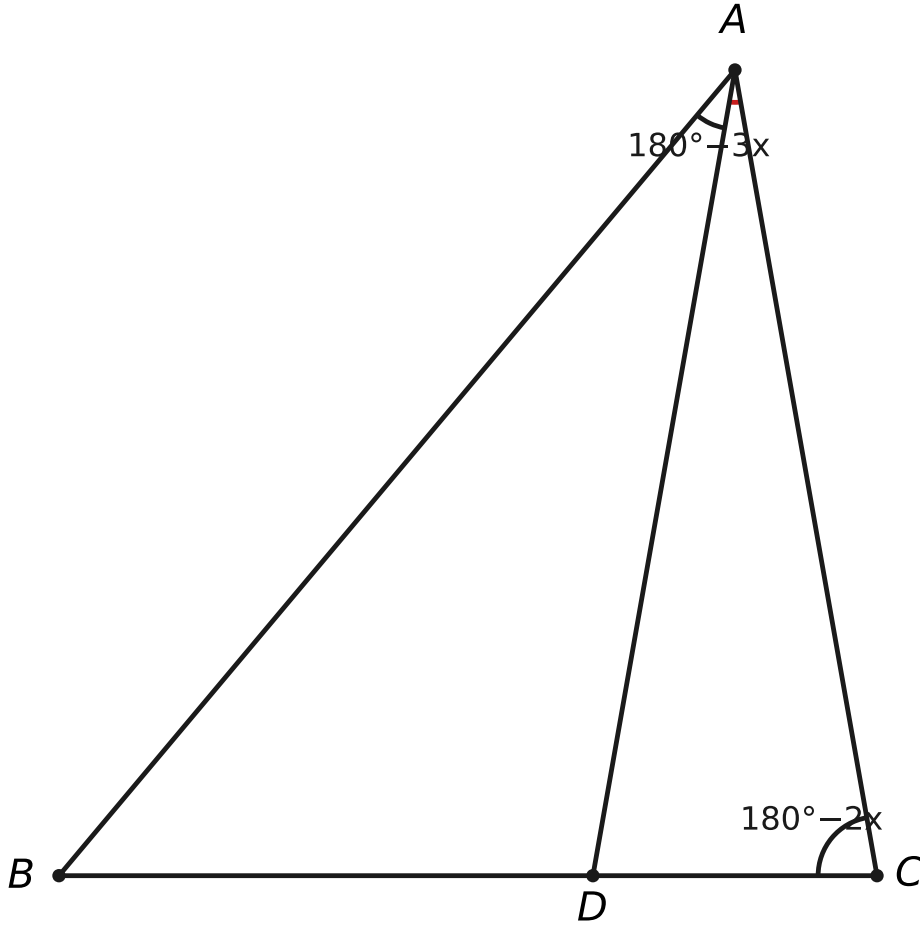
**Cevap:  $\angle BAD = 180^\circ - 3x$**

( $k_3 = 1, N = 1$ ) ailesi

### Soru 1.5

$AD : BC = 1 : 1, \angle ACB = 180^\circ - 2x, \angle BAD = 180^\circ - 3x.$   
 $\angle DAC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



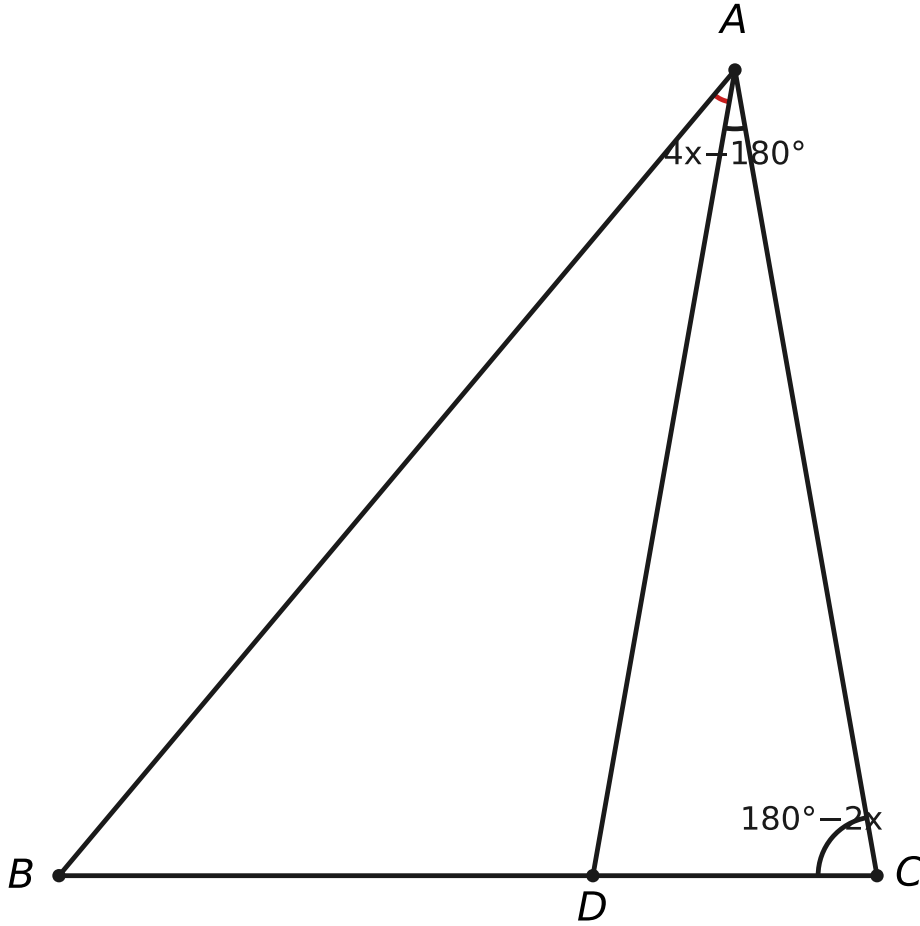
**Cevap:  $\angle DAC = 4x - 180^\circ$**

( $k_3 = 1, N = 1$ ) ailesi

### Soru 1.6

$AD : BC = 1 : 1, \angle ACB = 180^\circ - 2x, \angle DAC = 4x - 180^\circ.$   
 $\angle BAD = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



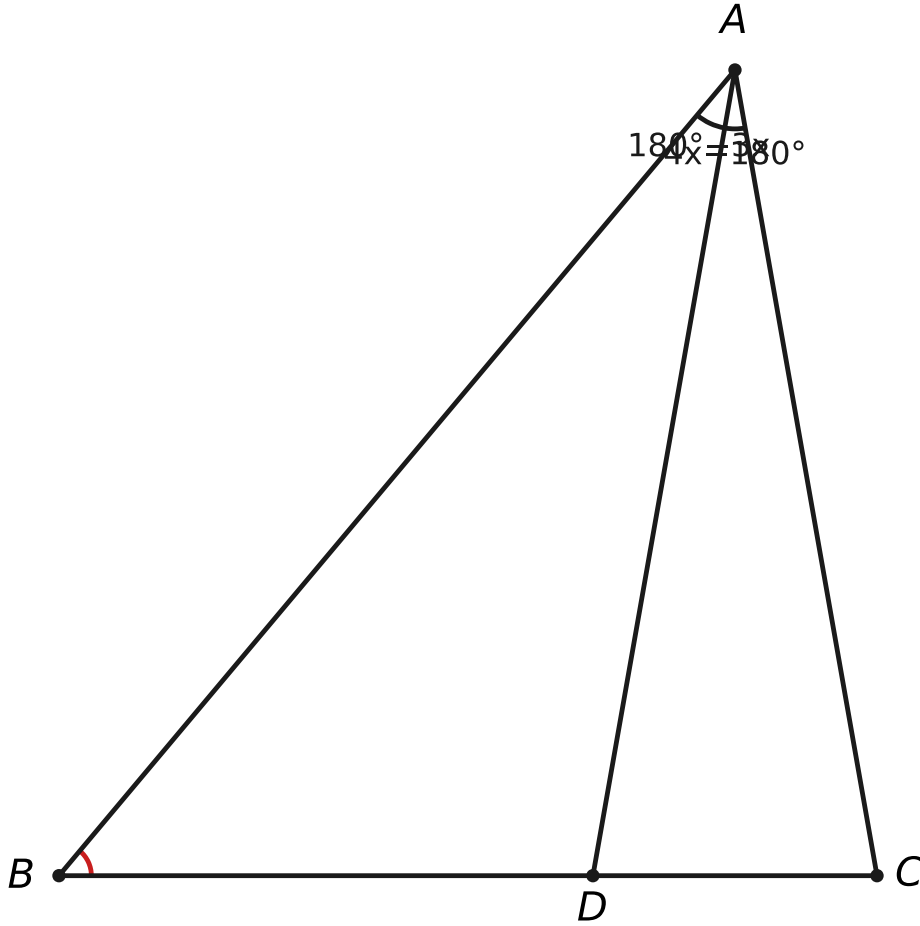
**Cevap:  $\angle BAD = 180^\circ - 3x$**

( $k_3 = 1$ ,  $N = 1$ ) ailesi

### Soru 1.7

$AD : BC = 1 : 1$ ,  $\angle BAD = 180^\circ - 3x$ ,  $\angle DAC = 4x - 180^\circ$ .  
 $\angle ABC = ?$

(Çizim  $x = 50^\circ$  için yapılmıştır)



**Cevap:  $\angle ABC = x$**

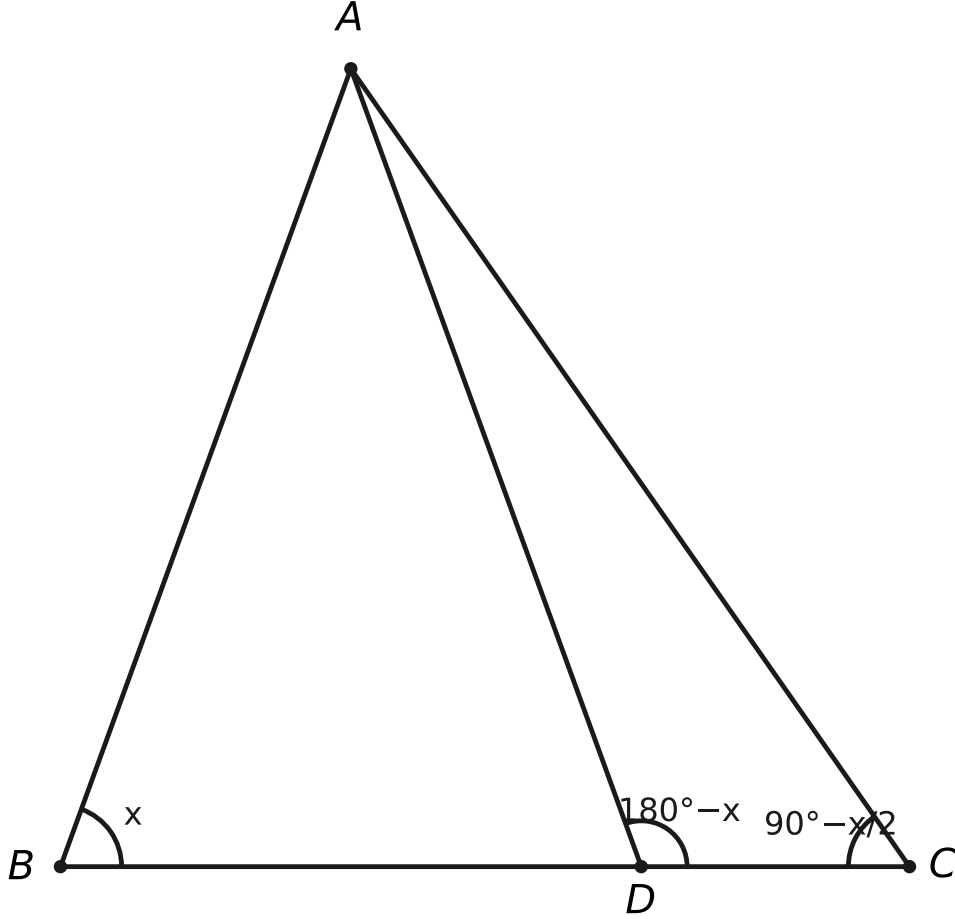
( $k_3 = 1$ ,  $N = 2$ ) ailesi

## Soru 2.0

$\angle ABC = x$ ,  $\angle ACB = 90^\circ - x/2$ ,  $\angle ADC = 180^\circ - x$ .

$AD : BC = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



**Cevap:  $AD : BC = 1 : 1$**

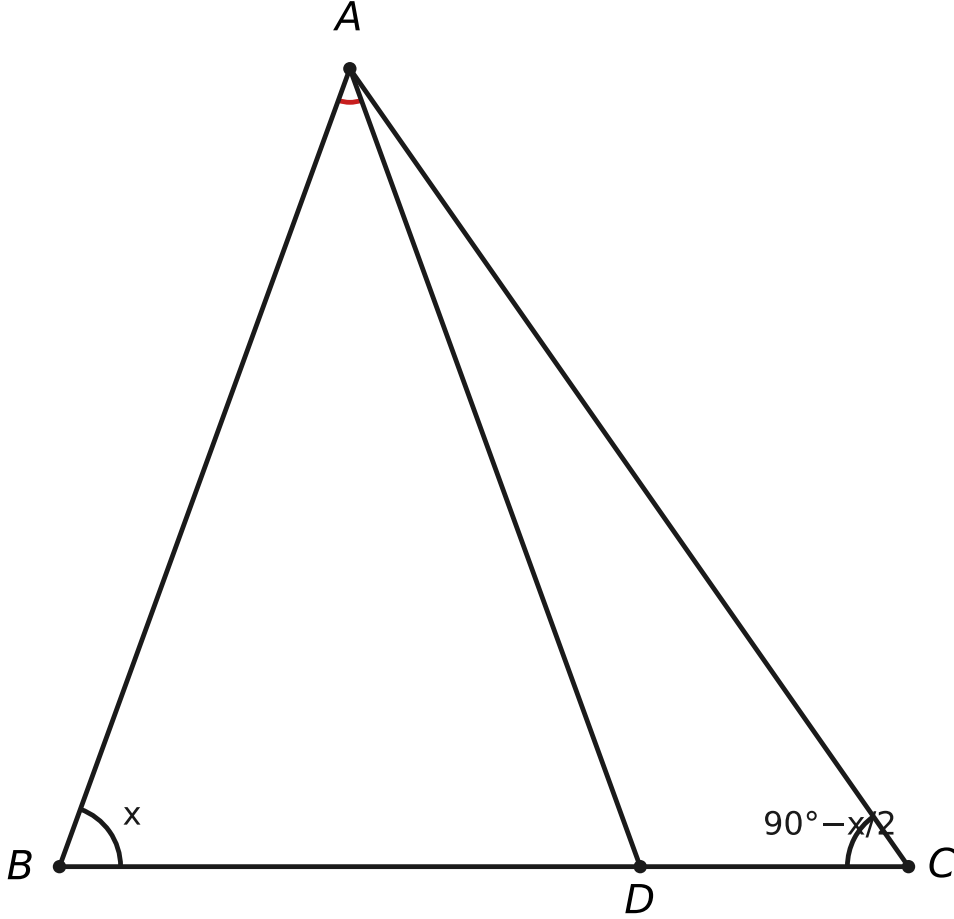
( $k_3 = 1$ ,  $N = 2$ ) ailesi

### Soru 2.1

$AD : BC = 1 : 1$ ,  $\angle ABC = x$ ,  $\angle ACB = 90^\circ - x/2$ .

$\angle BAD = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



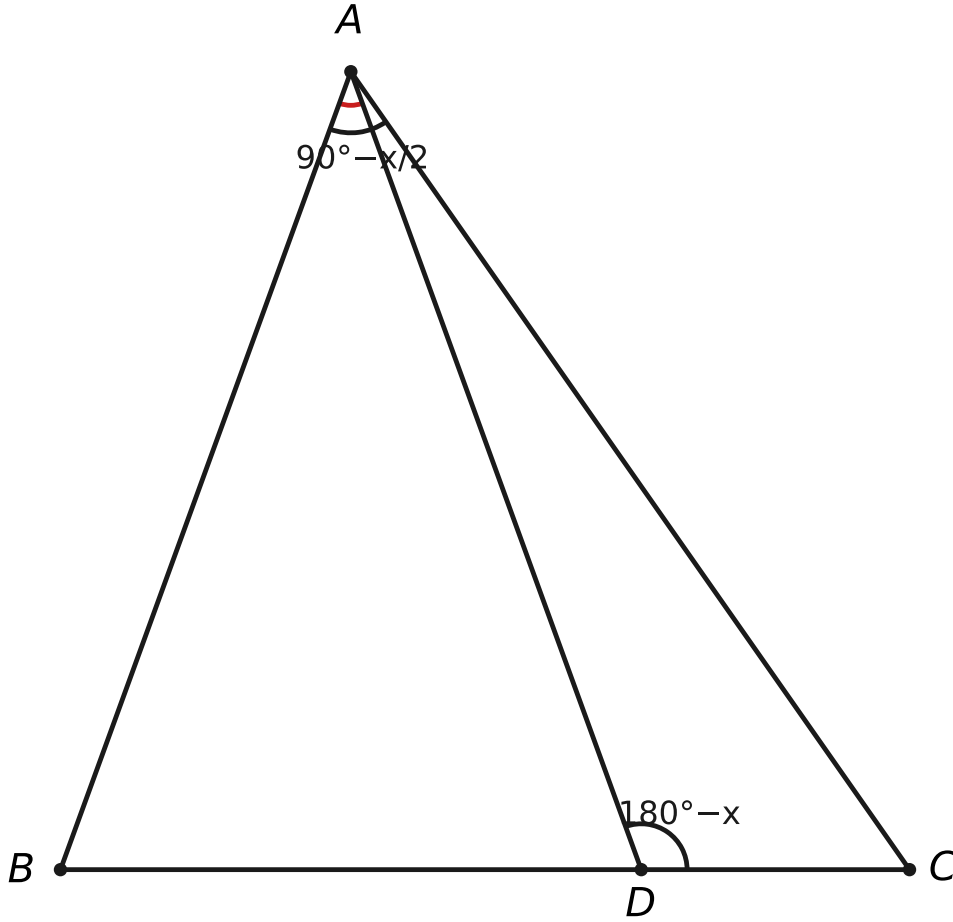
**Cevap:  $\angle BAD = 180^\circ - 2x$**

( $k_3 = 1$ ,  $N = 2$ ) ailesi

## Soru 2.2

$AD : BC = 1 : 1$ ,  $\angle BAC = 90^\circ - x/2$ ,  $\angle ADC = 180^\circ - x$ .  
 $\angle BAD = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



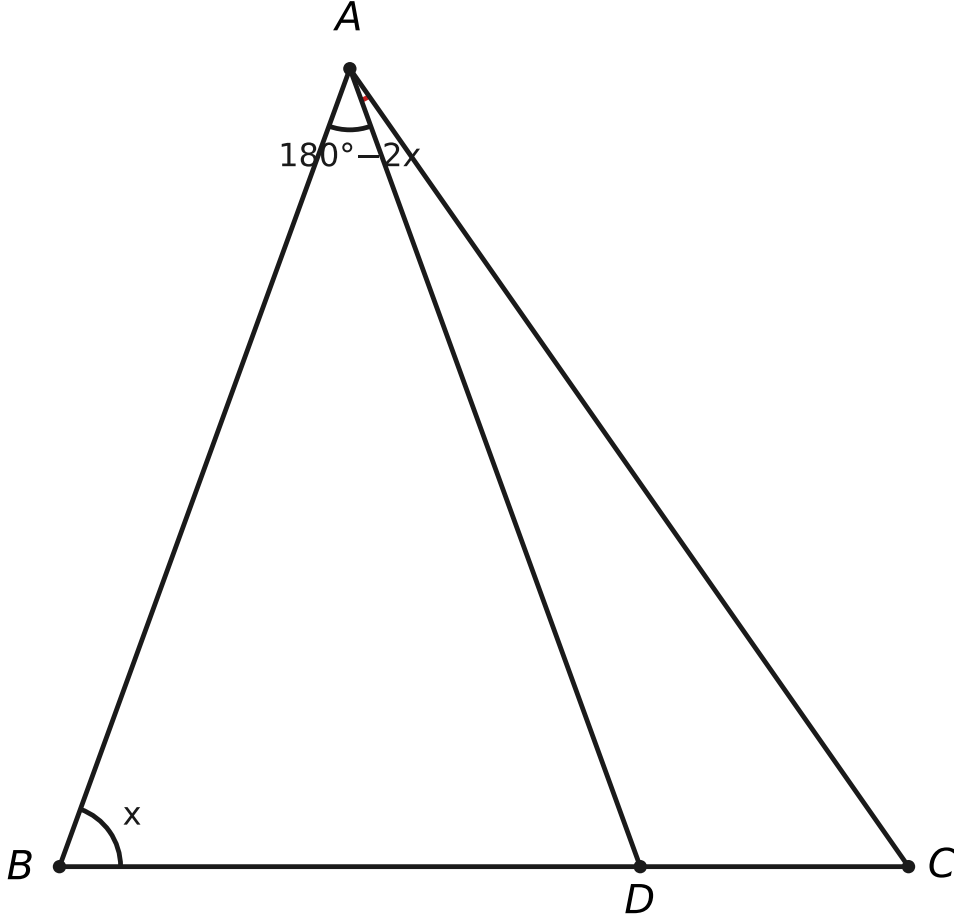
**Cevap:  $\angle BAD = 180^\circ - 2x$**

( $k_3 = 1$ ,  $N = 2$ ) ailesi

### Soru 2.3

$AD : BC = 1 : 1$ ,  $\angle ABC = x$ ,  $\angle BAD = 180^\circ - 2x$ .  
 $\angle DAC = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



**Cevap:  $\angle DAC = 3x/2 - 90^\circ$**

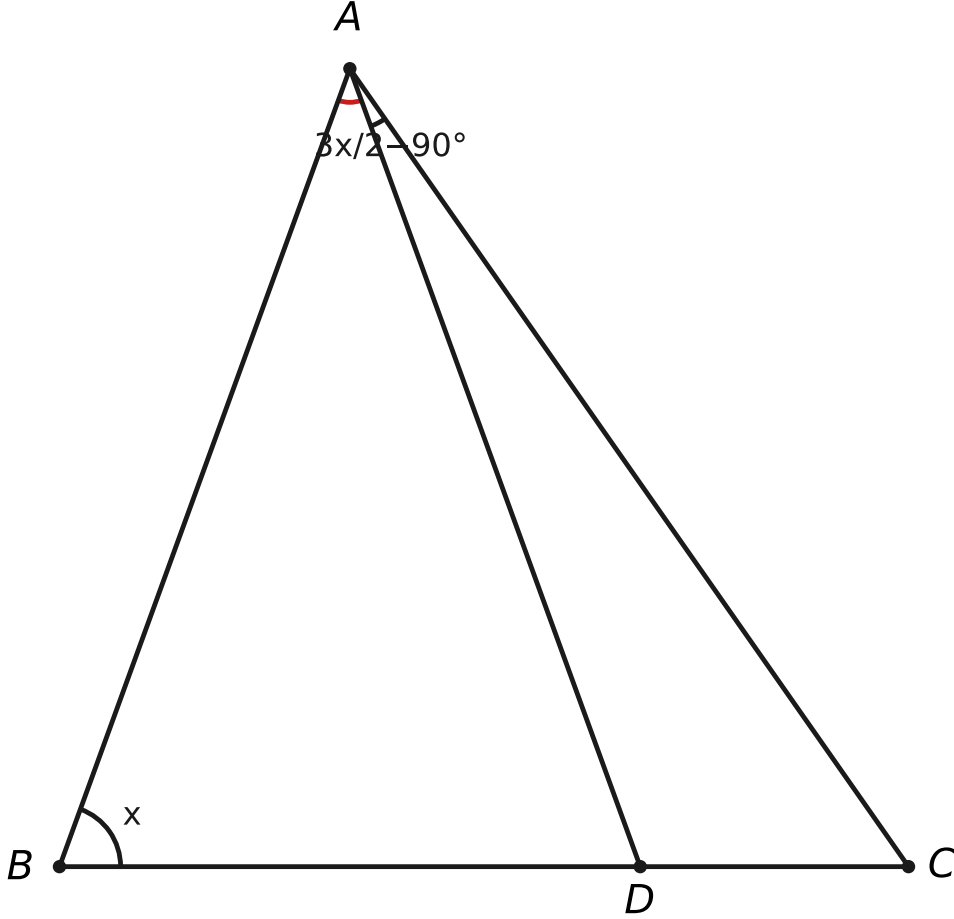
( $k_3 = 1$ ,  $N = 2$ ) ailesi

### Soru 2.4

$AD : BC = 1 : 1$ ,  $\angle ABC = x$ ,  $\angle DAC = 3x/2 - 90^\circ$ .

$\angle BAD = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



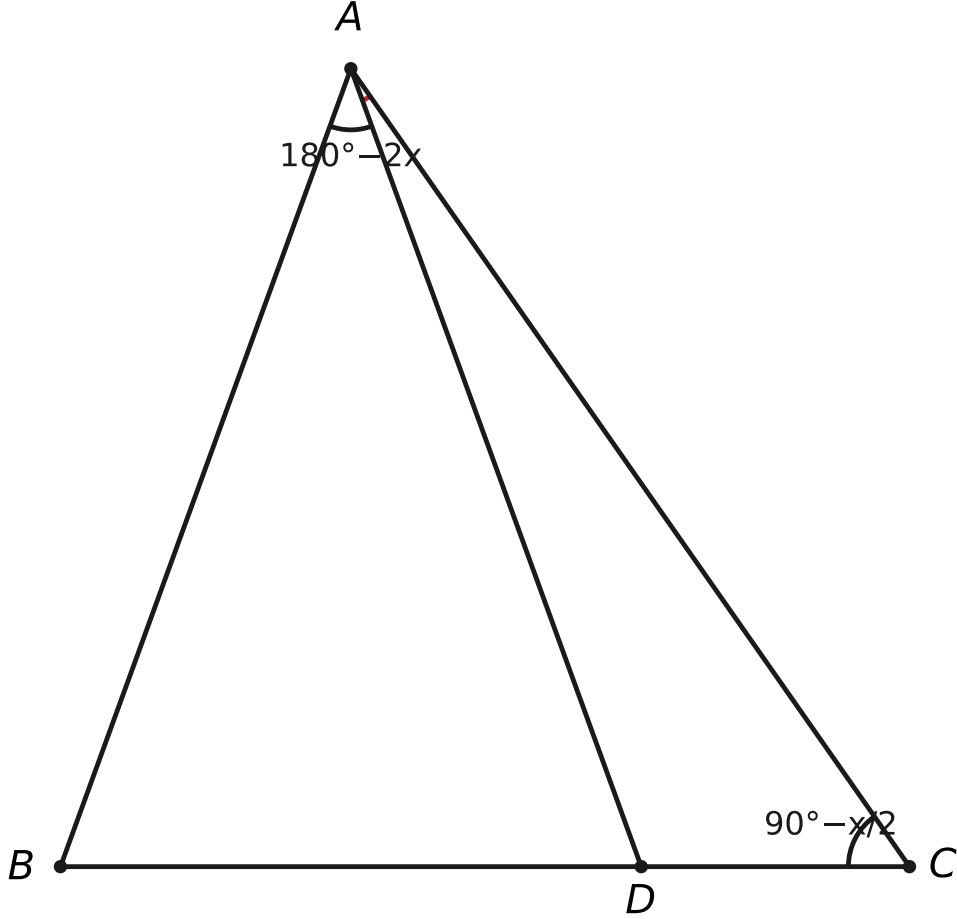
**Cevap:  $\angle BAD = 180^\circ - 2x$**

( $k_3 = 1$ ,  $N = 2$ ) ailesi

### Soru 2.5

$AD : BC = 1 : 1$ ,  $\angle ACB = 90^\circ - x/2$ ,  $\angle BAD = 180^\circ - 2x$ .  
 $\angle DAC = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



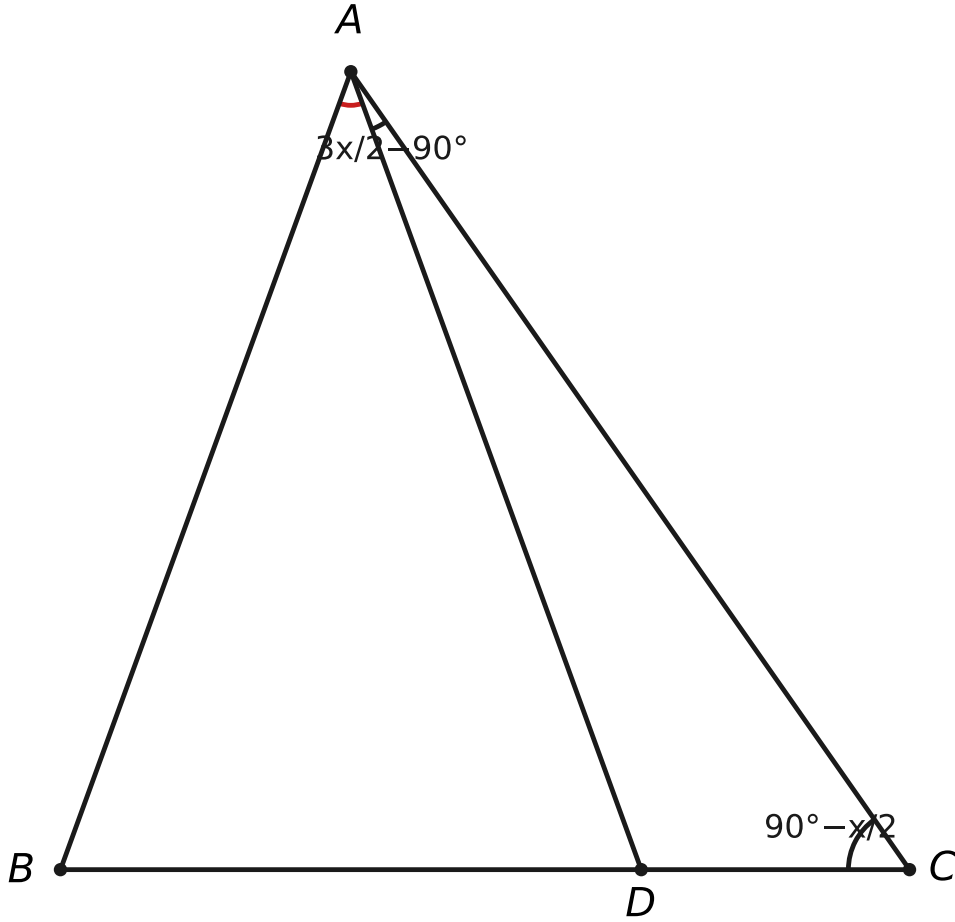
**Cevap:  $\angle DAC = 3x/2 - 90^\circ$**

( $k_3 = 1$ ,  $N = 2$ ) ailesi

### Soru 2.6

$AD : BC = 1 : 1$ ,  $\angle ACB = 90^\circ - x/2$ ,  $\angle DAC = 3x/2 - 90^\circ$ .  
 $\angle BAD = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



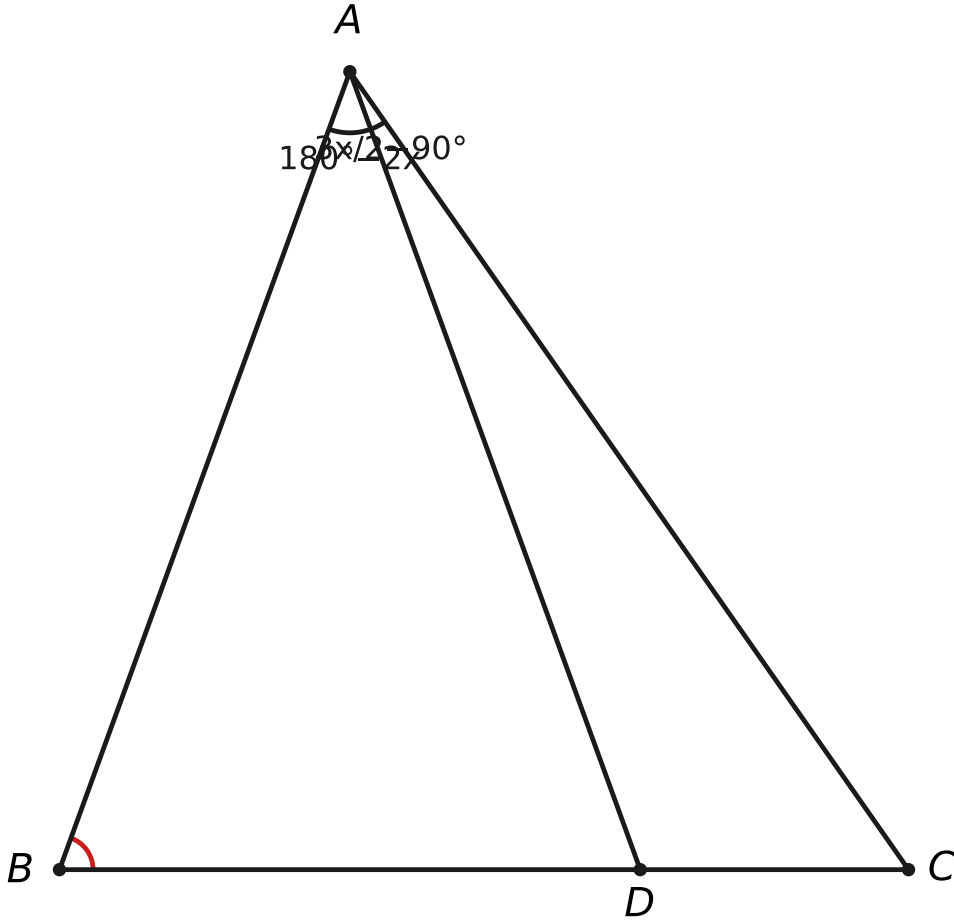
**Cevap:  $\angle BAD = 180^\circ - 2x$**

( $k_3 = 1$ ,  $N = 2$ ) ailesi

### Soru 2.7

$AD : BC = 1 : 1$ ,  $\angle BAD = 180^\circ - 2x$ ,  $\angle DAC = 3x/2 - 90^\circ$ .  
 $\angle ABC = ?$

(Çizim  $x = 70^\circ$  için yapılmıştır)



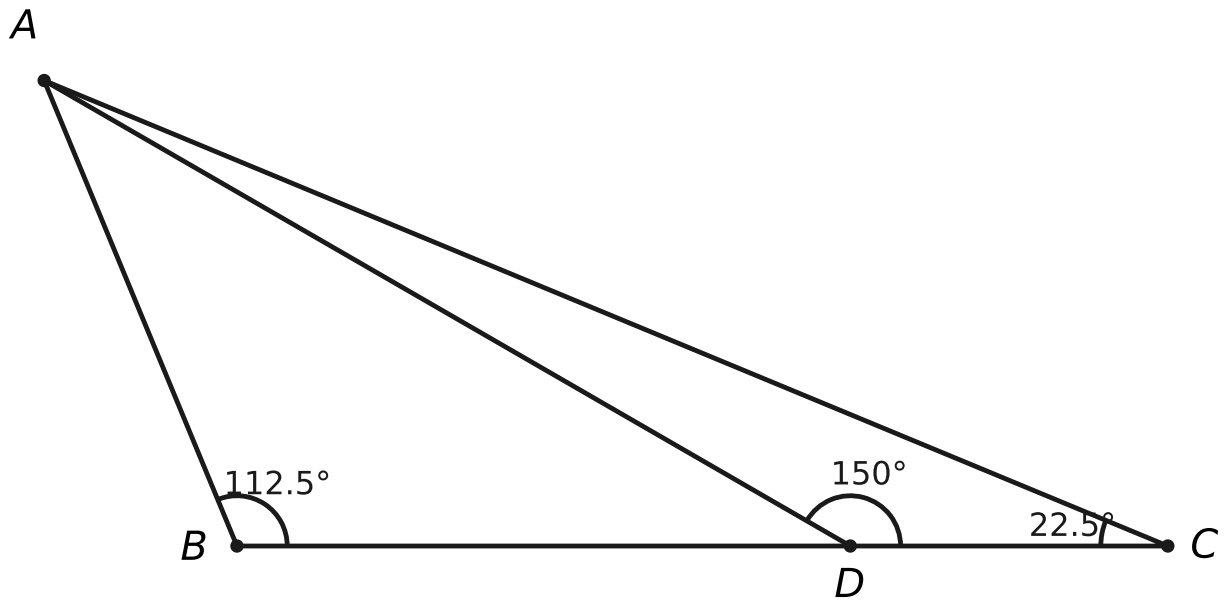
**Cevap:  $\angle ABC = x$**

( $k_3 = 1$ ,  $N = 3$ ) ailesi

### Soru 3.0

$\angle ABC = 112.5^\circ$ ,  $\angle ACB = 22.5^\circ$ ,  $\angle ADC = 150^\circ$ .

$AD : BC = ?$

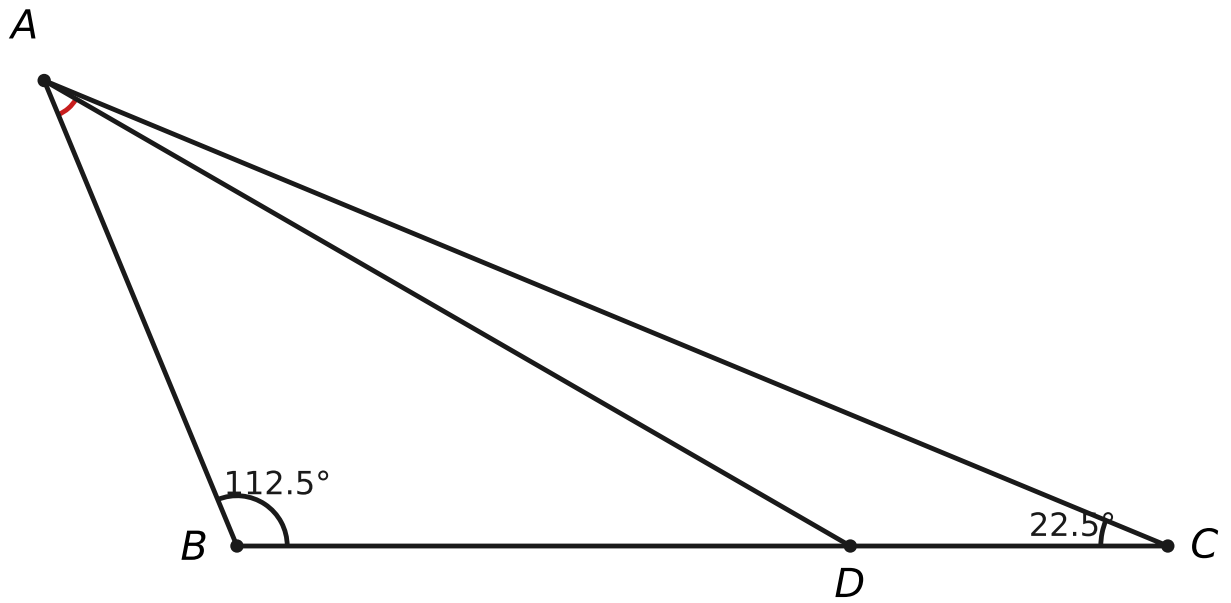


**Cevap:  $AD : BC = 1 : 1$**

( $k_3 = 1$ ,  $N = 3$ ) ailesi

### Soru 3.1

$AD : BC = 1 : 1$ ,  $\angle ABC = 112.5^\circ$ ,  $\angle ACB = 22.5^\circ$ .  
 $\angle BAD = ?$



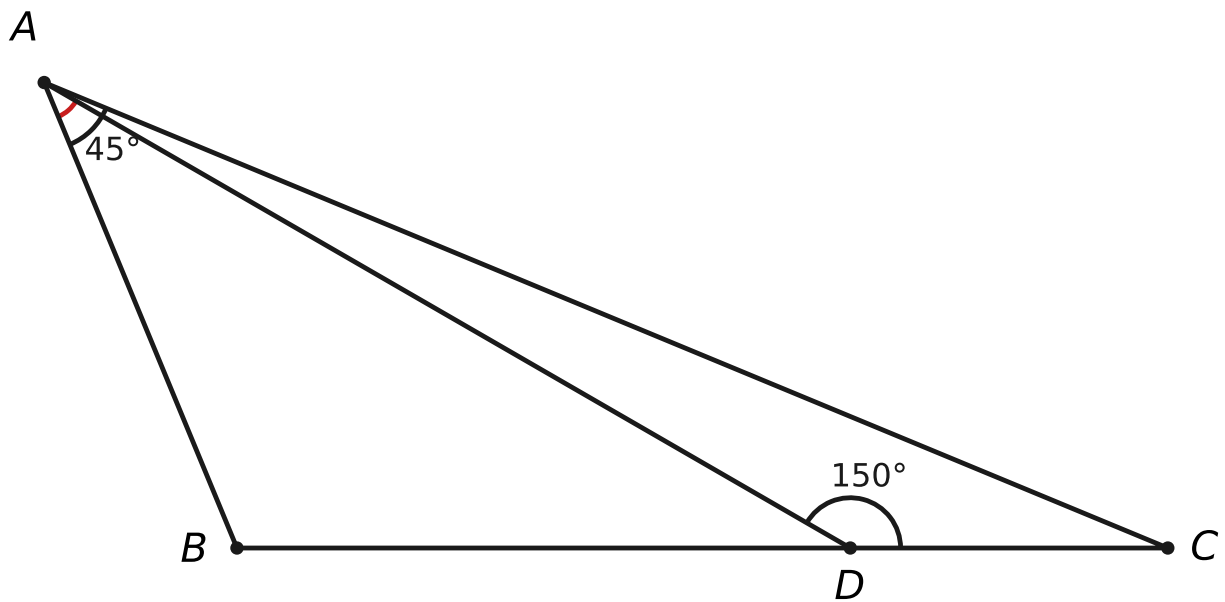
**Cevap:  $\angle BAD = 37.5^\circ$**

( $k_3 = 1$ ,  $N = 3$ ) ailesi

### Soru 3.2

$AD : BC = 1 : 1$ ,  $\angle BAC = 45^\circ$ ,  $\angle ADC = 150^\circ$ .

$\angle BAD = ?$

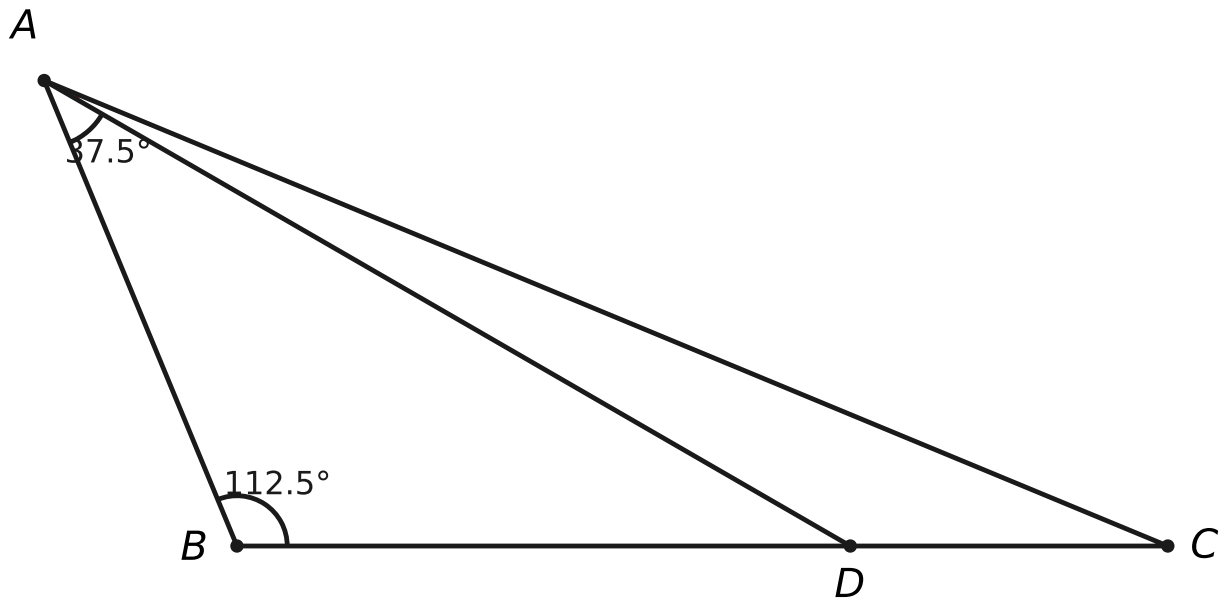


**Cevap:  $\angle BAD = 37.5^\circ$**

( $k_3 = 1$ ,  $N = 3$ ) ailesi

### Soru 3.3

$AD : BC = 1 : 1$ ,  $\angle ABC = 112.5^\circ$ ,  $\angle BAD = 37.5^\circ$ .  
 $\angle DAC = ?$

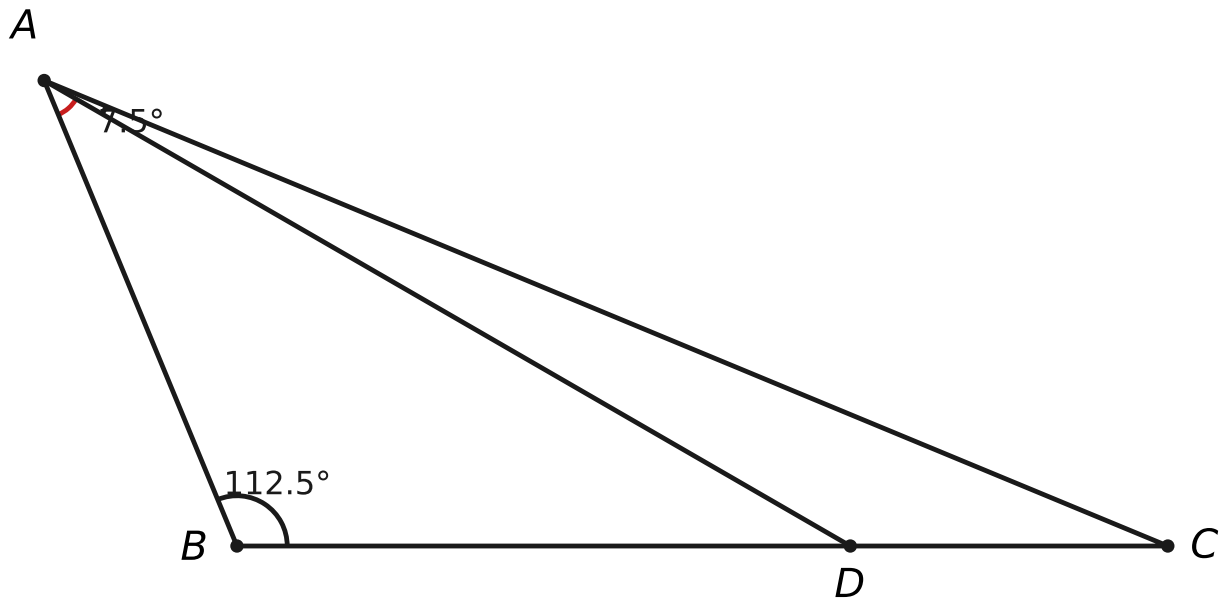


**Cevap:  $\angle DAC = 7.5^\circ$**

( $k_3 = 1$ ,  $N = 3$ ) ailesi

### Soru 3.4

$AD : BC = 1 : 1$ ,  $\angle ABC = 112.5^\circ$ ,  $\angle DAC = 7.5^\circ$ .  
 $\angle BAD = ?$



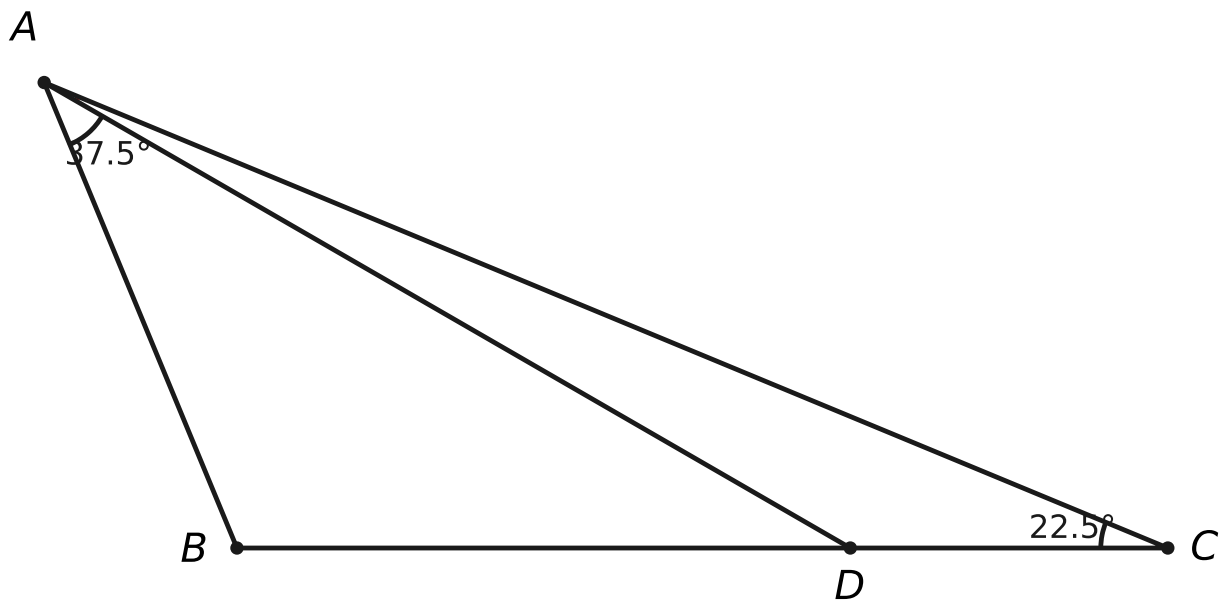
**Cevap:  $\angle BAD = 37.5^\circ$**

( $k_3 = 1, N = 3$ ) ailesi

### Soru 3.5

$AD : BC = 1 : 1, \angle ACB = 22.5^\circ, \angle BAD = 37.5^\circ.$

$\angle DAC = ?$



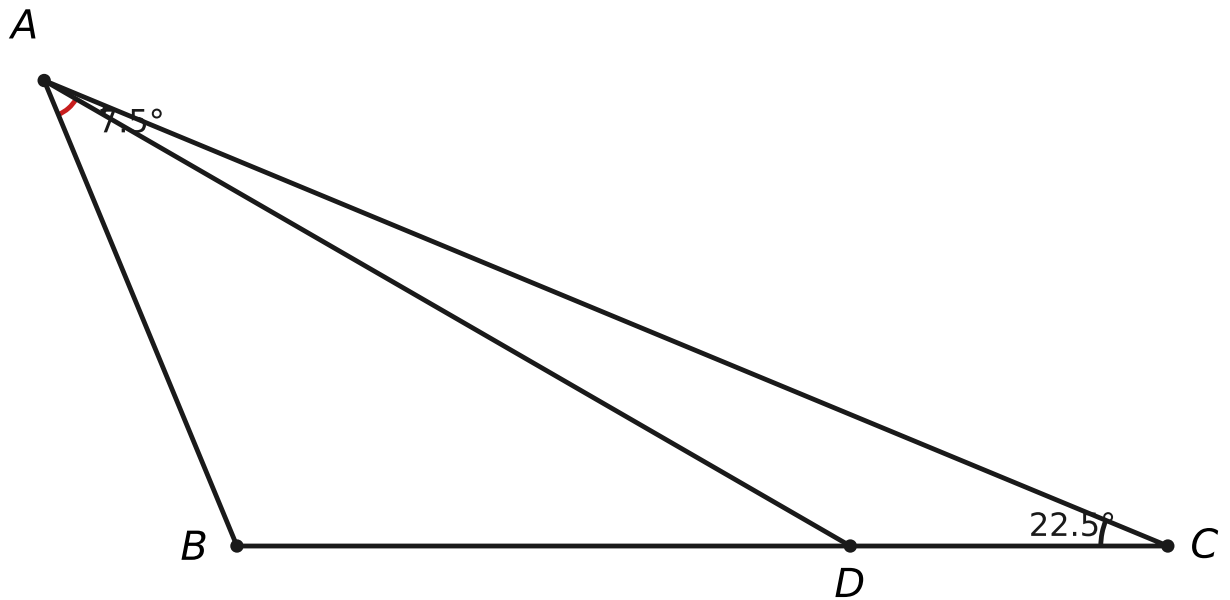
**Cevap:  $\angle DAC = 7.5^\circ$**

( $k_3 = 1$ ,  $N = 3$ ) ailesi

### Soru 3.6

$AD : BC = 1 : 1$ ,  $\angle ACB = 22.5^\circ$ ,  $\angle DAC = 7.5^\circ$ .

$\angle BAD = ?$



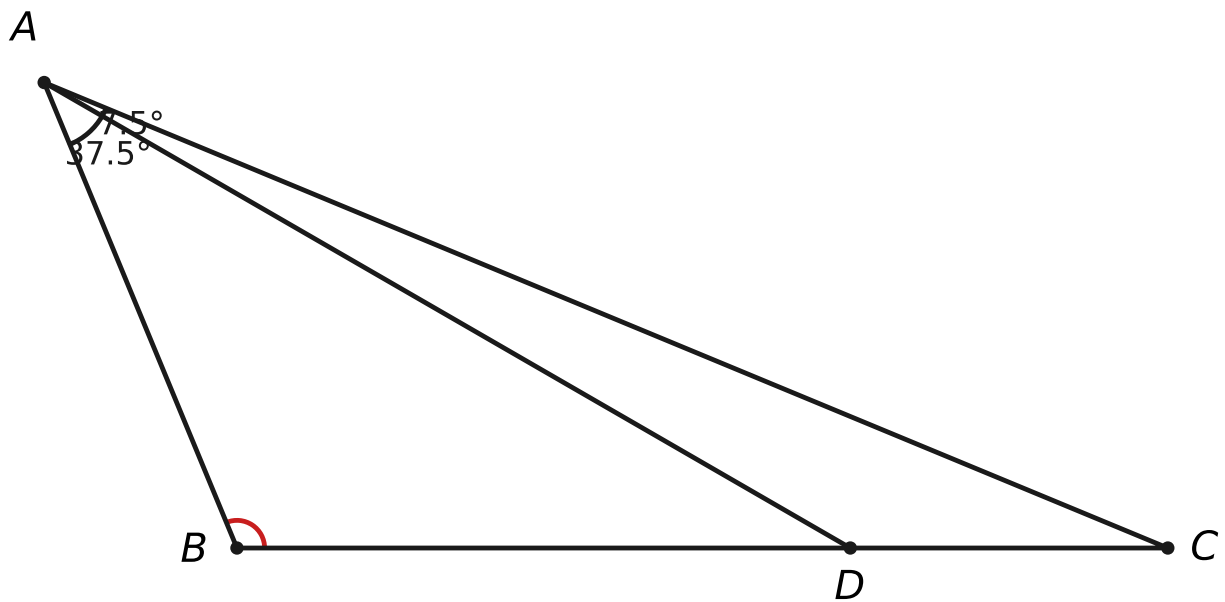
**Cevap:  $\angle BAD = 37.5^\circ$**

( $k_3 = 1, N = 3$ ) ailesi

### Soru 3.7

$AD : BC = 1 : 1, \angle BAD = 37.5^\circ, \angle DAC = 7.5^\circ.$

$\angle ABC = ?$



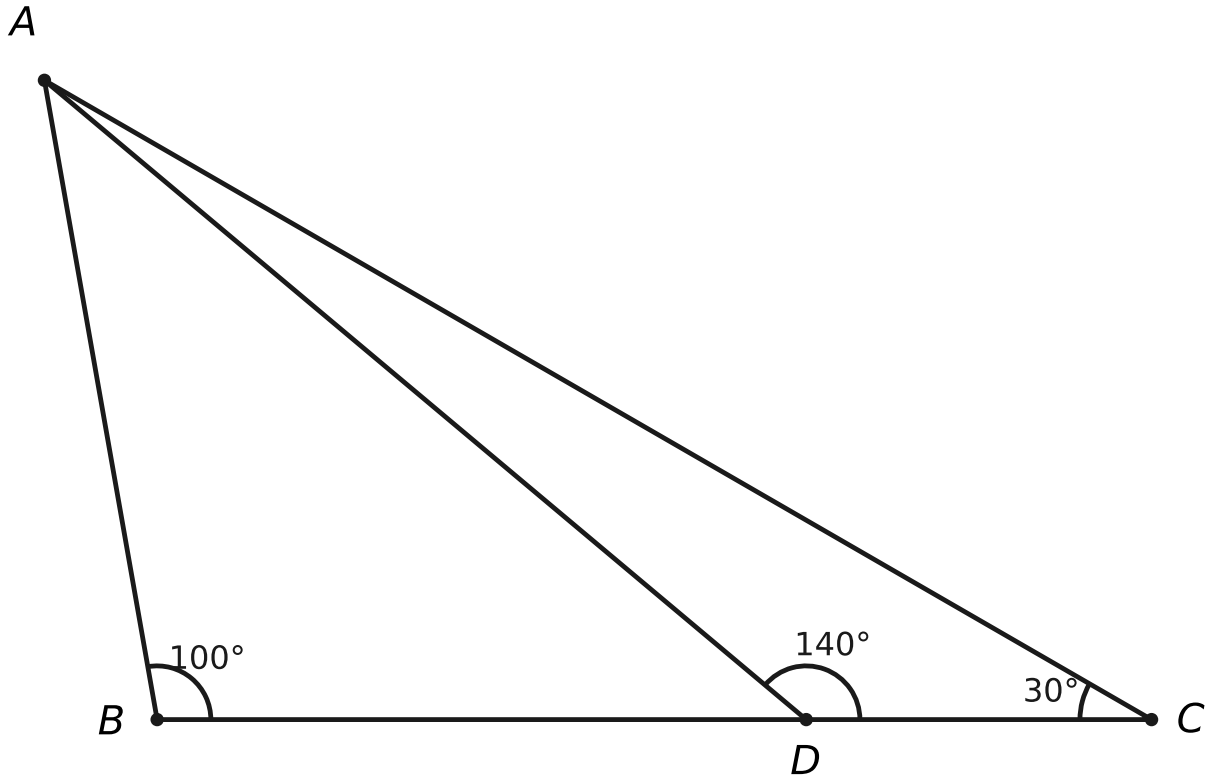
**Cevap:  $\angle ABC = 112.5^\circ$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.0

$\angle ABC = 100^\circ$ ,  $\angle ACB = 30^\circ$ ,  $\angle ADC = 140^\circ$ .

$AD : BC = ?$



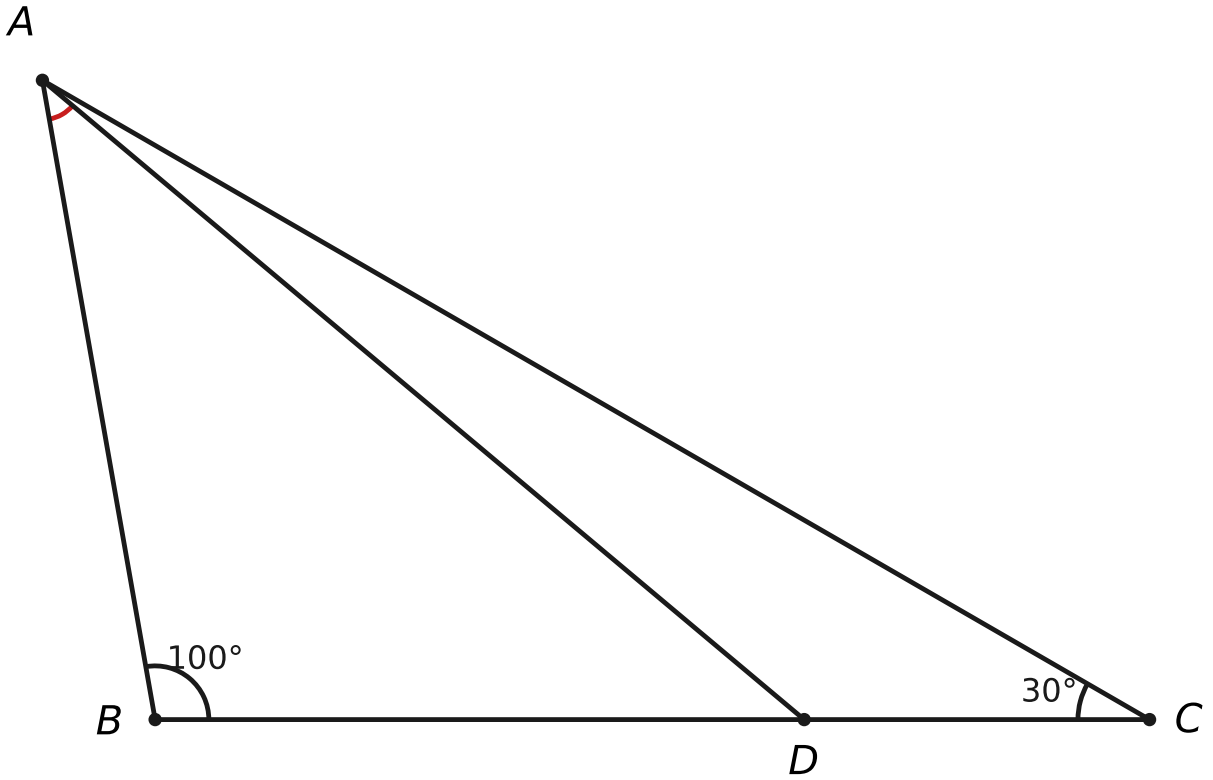
**Cevap:  $AD : BC = 1 : 1$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.1

$AD : BC = 1 : 1$ ,  $\angle ABC = 100^\circ$ ,  $\angle ACB = 30^\circ$ .

$\angle BAD = ?$



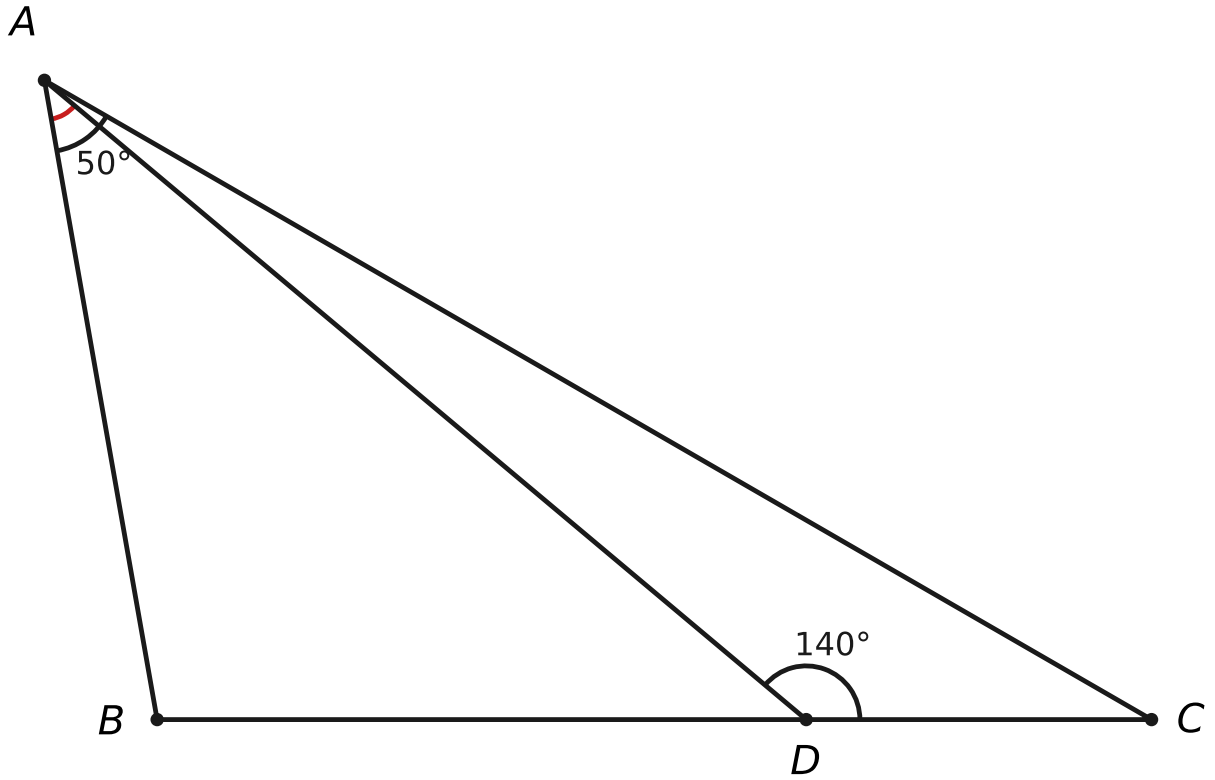
**Cevap:  $\angle BAD = 40^\circ$**

( $k_3 = 1, N = 4$ ) ailesi

### Soru 4.2

$AD : BC = 1 : 1, \angle BAC = 50^\circ, \angle ADC = 140^\circ.$

$\angle BAD = ?$



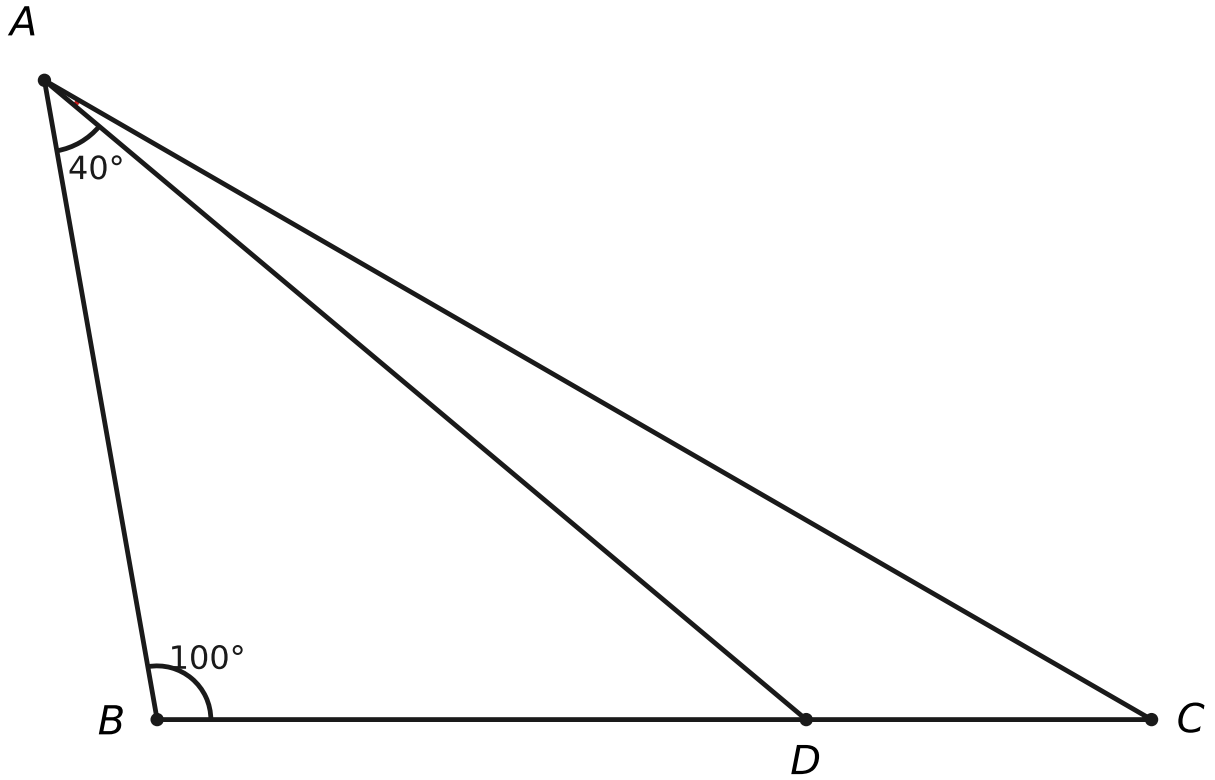
**Cevap:  $\angle BAD = 40^\circ$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.3

$AD : BC = 1 : 1$ ,  $\angle ABC = 100^\circ$ ,  $\angle BAD = 40^\circ$ .

$\angle DAC = ?$



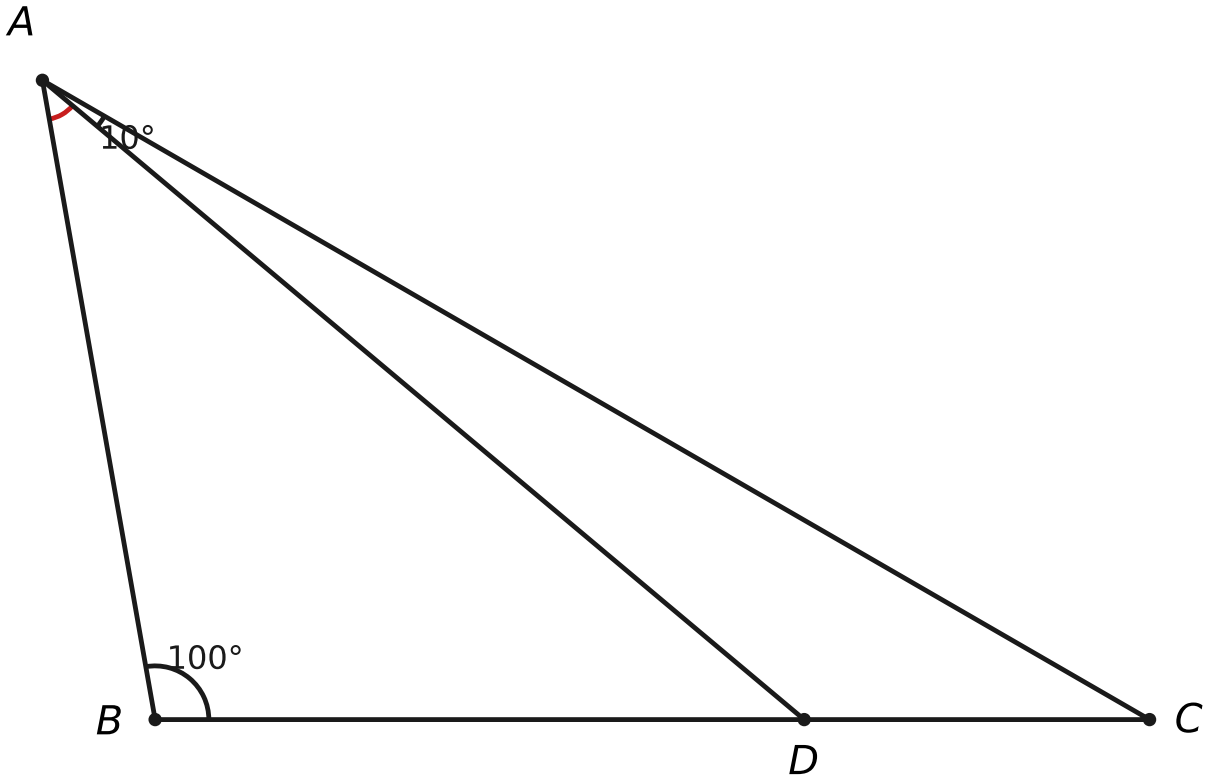
**Cevap:  $\angle DAC = 10^\circ$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.4

$AD : BC = 1 : 1$ ,  $\angle ABC = 100^\circ$ ,  $\angle DAC = 10^\circ$ .

$\angle BAD = ?$



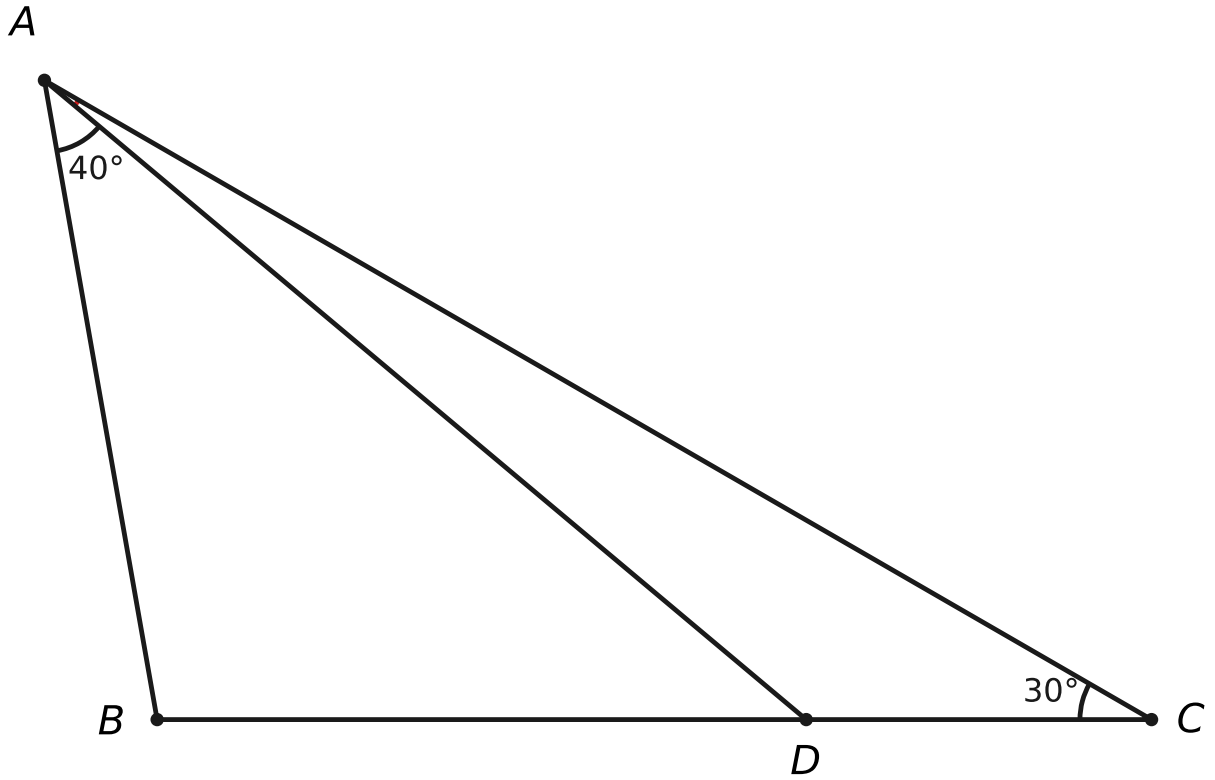
**Cevap:  $\angle BAD = 40^\circ$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.5

$AD : BC = 1 : 1$ ,  $\angle ACB = 30^\circ$ ,  $\angle BAD = 40^\circ$ .

$\angle DAC = ?$



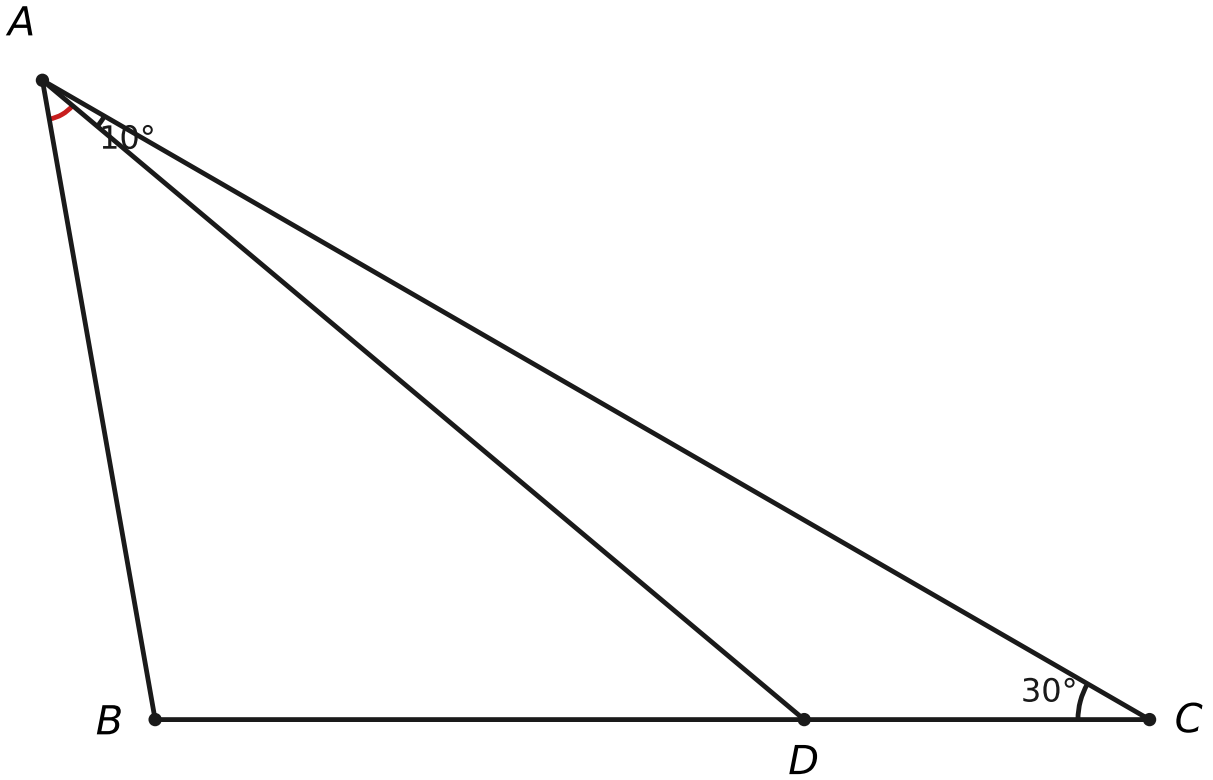
**Cevap:  $\angle DAC = 10^\circ$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.6

$AD : BC = 1 : 1$ ,  $\angle ACB = 30^\circ$ ,  $\angle DAC = 10^\circ$ .

$\angle BAD = ?$



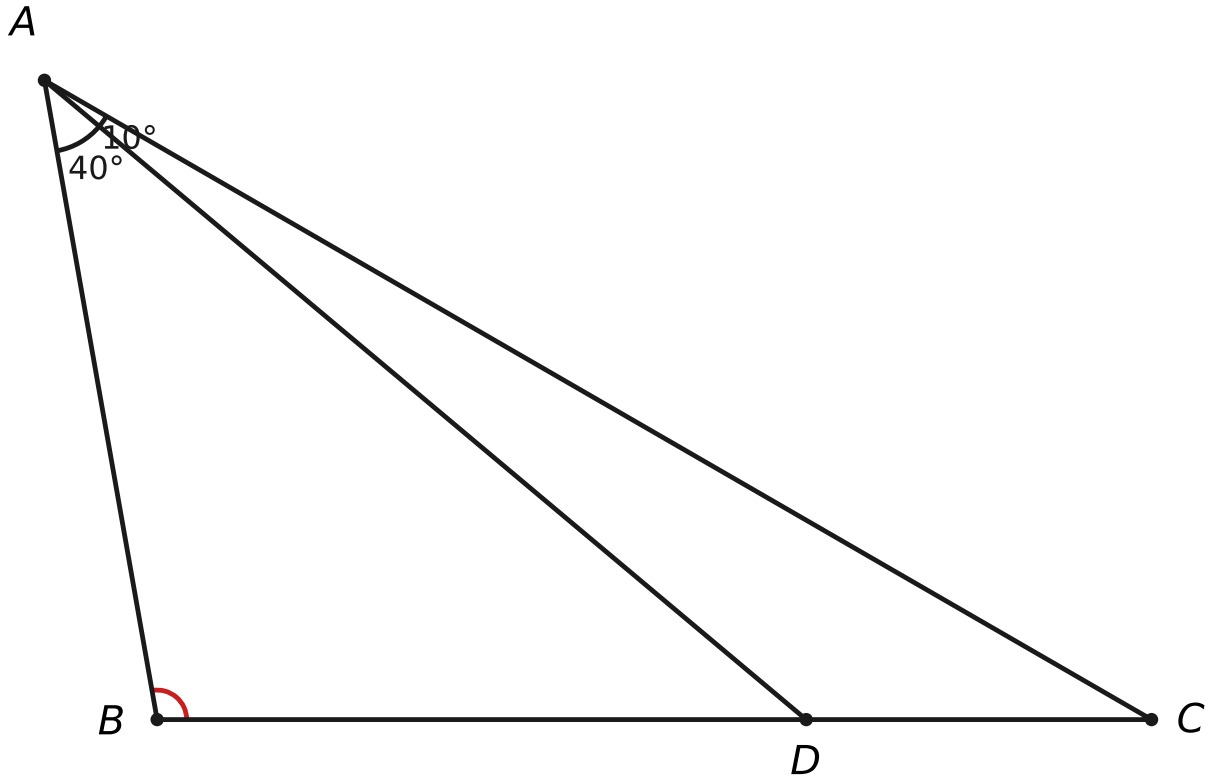
**Cevap:  $\angle BAD = 40^\circ$**

( $k_3 = 1$ ,  $N = 4$ ) ailesi

### Soru 4.7

$AD : BC = 1 : 1$ ,  $\angle BAD = 40^\circ$ ,  $\angle DAC = 10^\circ$ .

$\angle ABC = ?$



**Cevap:  $\angle ABC = 100^\circ$**