



Complementary Angles

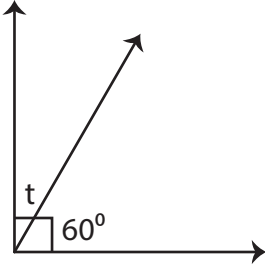
Name _____

Score _____

CS:06

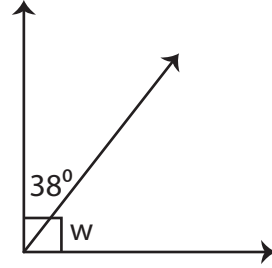
Find the unknown angle.

1)



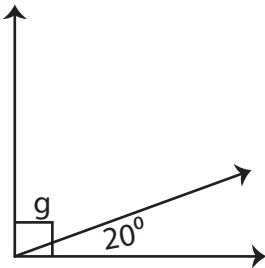
$$m\angle t = \underline{\hspace{2cm}}$$

2)



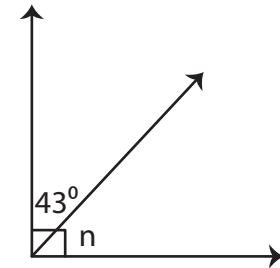
$$m\angle w = \underline{\hspace{2cm}}$$

3)



$$m\angle g = \underline{\hspace{2cm}}$$

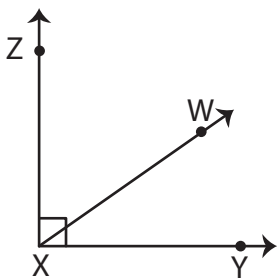
4)



$$m\angle n = \underline{\hspace{2cm}}$$

Find the value of x.

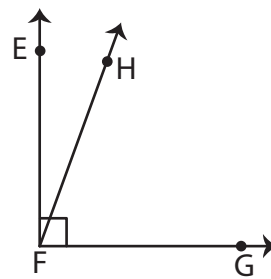
1)



$$m\angle WXY = (7x)^\circ ; m\angle ZXW = (11x)^\circ$$

$$x = \underline{\hspace{2cm}}$$

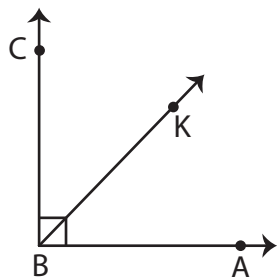
2)



$$m\angle EFH = 20^\circ ; m\angle GFH = (x - 30)^\circ$$

$$x = \underline{\hspace{2cm}}$$

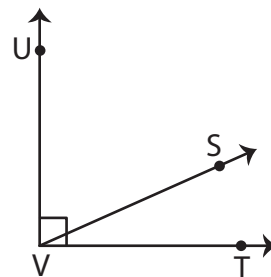
3)



$$m\angle ABK = (x - 1)^\circ ; m\angle CBK = (x - 3)^\circ$$

$$x = \underline{\hspace{2cm}}$$

4)



$$m\angle SVT = (x + 4)^\circ ; m\angle UVS = 66^\circ$$

$$x = \underline{\hspace{2cm}}$$



Complementary Angles

Name _____

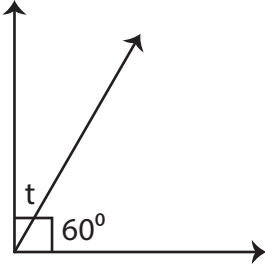
Score _____

Answer key

CS:06

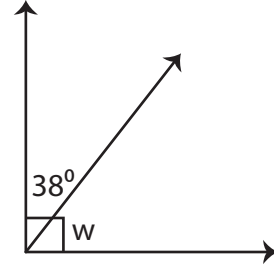
Find the unknown angle.

1)



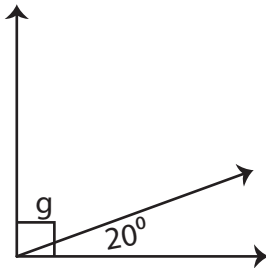
$$m\angle t = \underline{30^\circ}$$

2)



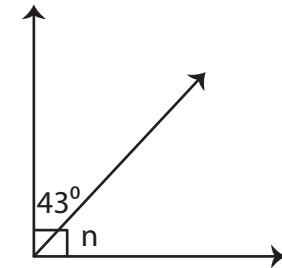
$$m\angle w = \underline{52^\circ}$$

3)



$$m\angle g = \underline{70^\circ}$$

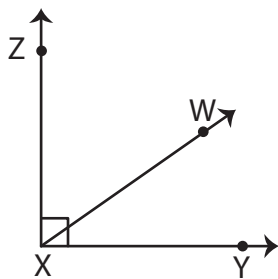
4)



$$m\angle n = \underline{47^\circ}$$

Find the value of x.

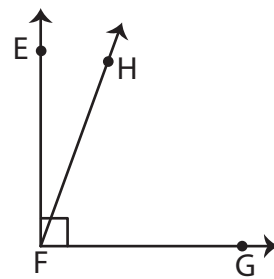
1)



$$m\angle WXY = (7x)^\circ ; m\angle ZXW = (11x)^\circ$$

$$x = \underline{5}$$

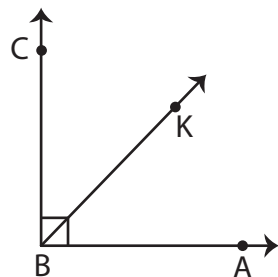
2)



$$m\angle EFH = 20^\circ ; m\angle GFH = (x - 30)^\circ$$

$$x = \underline{100}$$

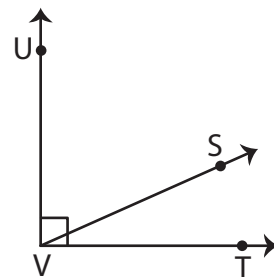
3)



$$m\angle ABK = (x - 1)^\circ ; m\angle CBK = (x - 3)^\circ$$

$$x = \underline{47}$$

4)



$$m\angle SVT = (x + 4)^\circ ; m\angle UVS = 66^\circ$$

$$x = \underline{20}$$