



# Complementary Angles

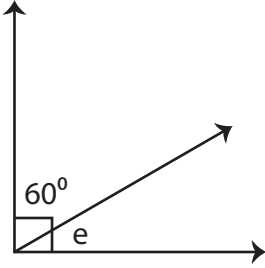
Name \_\_\_\_\_

Score \_\_\_\_\_

CS:04

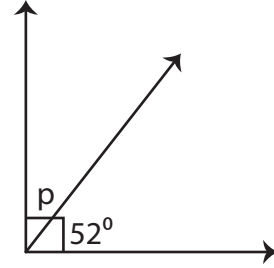
Find the unknown angle.

1)



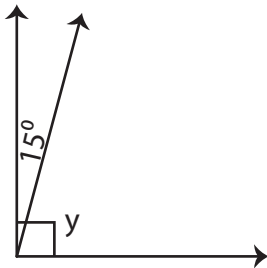
$m\angle e =$  \_\_\_\_\_

2)



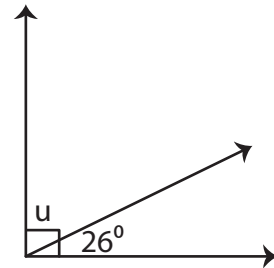
$m\angle p =$  \_\_\_\_\_

3)



$m\angle y =$  \_\_\_\_\_

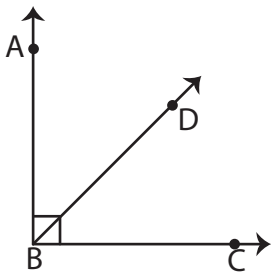
4)



$m\angle u =$  \_\_\_\_\_

Find the value of x.

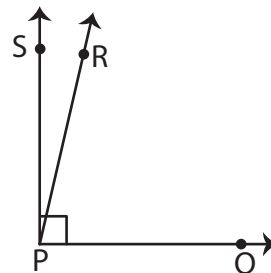
1)



$m\angle ABD = 45^\circ$  ;  $m\angle CBD = (x - 5)^\circ$

$x =$  \_\_\_\_\_

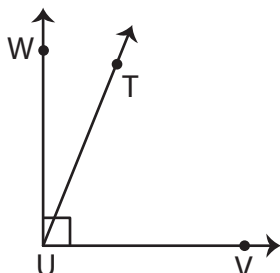
2)



$m\angle RPQ = (11x)^\circ$  ;  $m\angle SPR = 13^\circ$

$x =$  \_\_\_\_\_

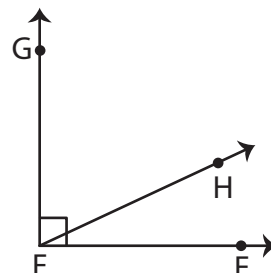
3)



$m\angle TUV = (7x - 9)^\circ$  ;  $m\angle WUT = (2x)^\circ$

$x =$  \_\_\_\_\_

4)



$m\angle EFH = (x + 1)^\circ$  ;  $m\angle GFH = (3x - 7)^\circ$

$x =$  \_\_\_\_\_



# Complementary Angles

Name \_\_\_\_\_

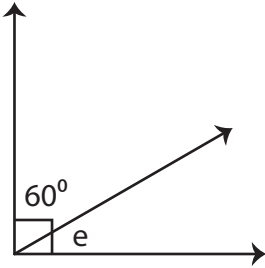
Score \_\_\_\_\_

## Answer key

CS:04

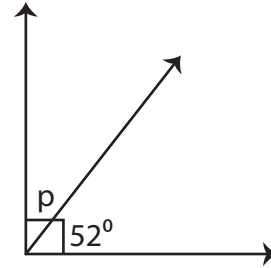
Find the unknown angle.

1)



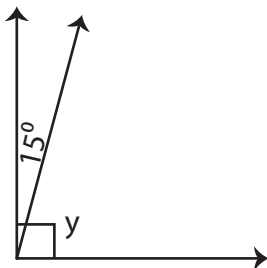
$$m\angle e = \underline{30^\circ}$$

2)



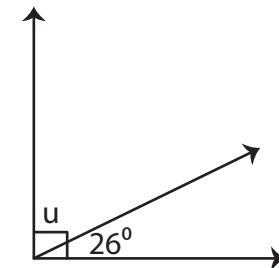
$$m\angle p = \underline{38^\circ}$$

3)



$$m\angle y = \underline{75^\circ}$$

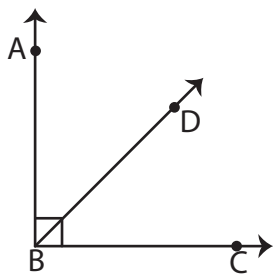
4)



$$m\angle u = \underline{64^\circ}$$

Find the value of x.

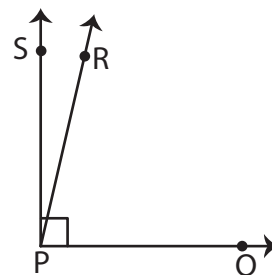
1)



$$m\angle ABD = 45^\circ ; m\angle CBD = (x - 5)^\circ$$

$$x = \underline{50}$$

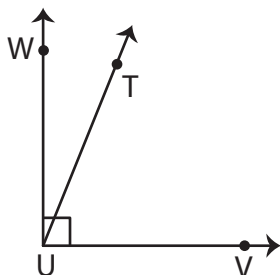
2)



$$m\angle RPQ = (11x)^\circ ; m\angle SPR = 13^\circ$$

$$x = \underline{7}$$

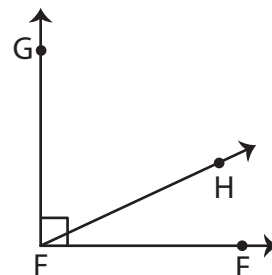
3)



$$m\angle TUV = (7x - 9)^\circ ; m\angle WUT = (2x)^\circ$$

$$x = \underline{11}$$

4)



$$m\angle EFH = (x + 1)^\circ ; m\angle GFH = (3x - 7)^\circ$$

$$x = \underline{24}$$