

ch8.4 Name: \_\_\_\_\_

Class: \_\_\_\_\_

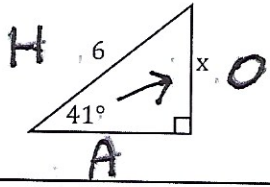
Part 1

Label each triangle with "O" for opposite, "A" for adjacent, and "H" for hypotenuse. Then solve for x.

1. Step 1. Label the sides.

Step 2. Choose the ratio and write it out.

Step 3. Plug in and solve.



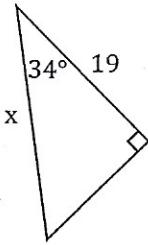
$$\sin x = \frac{O}{H}$$

$$\sin 41 = \frac{x}{6}$$

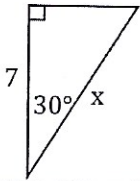
$$6(\sin 41) = x$$

$$\boxed{3.94} = x$$

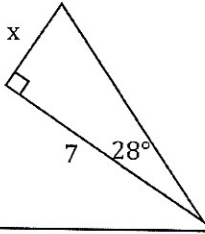
2.



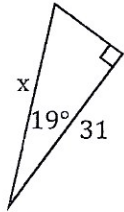
3.



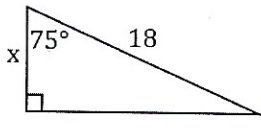
4.



5.



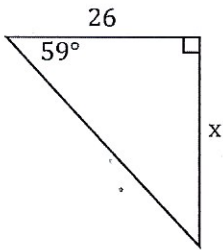
6.



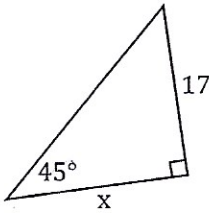
Bubble all the correct answers from above. Don't bubble incorrect answers.

- 3.72  
  3.18  
  8.08  
 3.94  
 22.92  
 23.75°  
 5.36  
 31.56  
 4.66  
 32.79

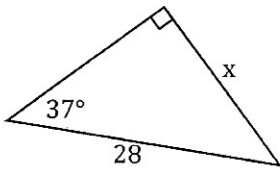
7.



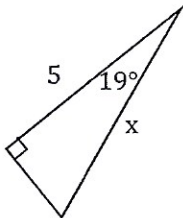
8.



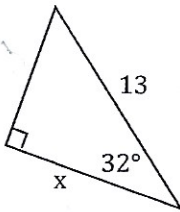
9.



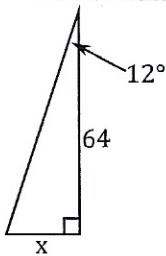
10.



11.



12.



Bubble all the correct answers from above. Don't bubble incorrect answers.

- 17   
  5.29   
  13.61   
  43.27   
  38.19   
  16.85   
  16.48   
  5.64   
  11.02   
  13.25