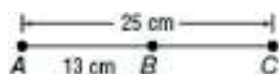


Geometría

Multiple Choice

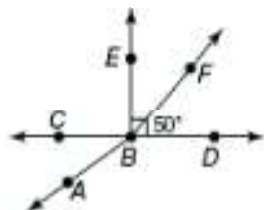
Identify the choice that best completes the statement or answers the question.

1. Find the length of \overline{BC} .



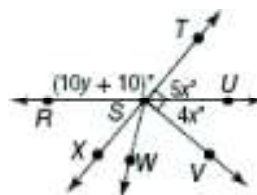
- a. 12 cm
- b. 13 cm
- c. 25 cm
- d. 38 cm

Use the figure below to answer the following questions.



2. Which point is the vertex of all the angles in this figure?
 - a. A
 - b. C
 - c. B
 - d. E
3. What type of angle is $\angle ABC$?
 - a. acute angle
 - b. right angle
 - c. obtuse angle
 - d. straight angle

Use the figure below to answer the following questions.



4. Which pair of angles are vertical angles?
 - a. $\angle RST, \angle TSU$
 - b. $\angle TSU, \angle USV$
 - c. $\angle RSX, \angle TSU$
 - d. $\angle RSX, \angle XSW$
5. Which angle is supplementary to $\angle USV$?
 - a. $\angle TSU$
 - b. $\angle VSW$
 - c. $\angle RSV$
 - d. $\angle WSR$
6. Find the values of x and y.
 - a. $x = 10, y = 12$
 - b. $x = 20, y = 7$
 - c. $x = 10, y = 8$
 - d. $x = 50, y = 40$

Find the measurement of the segment.

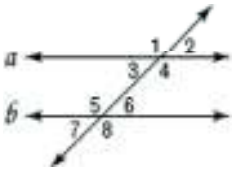
7. $PR = 18.8$ mm, $RS = 13.7$ mm



$PS = ?$

- a. 32.7 mm
- b. 5.1 mm
- c. 32.5 mm
- d. 32.4 mm

Refer to the figure below to answer the following questions. Identify the special name for each angle pair.



8. $\angle 1$ and $\angle 8$
- a. alternate exterior
 - b. alternate interior
 - c. consecutive interior
 - d. corresponding

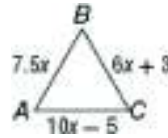
9. $\angle 3$ and $\angle 7$
- a. alternate exterior
 - b. alternate interior
 - c. consecutive interior
 - d. corresponding

10. Given $a \parallel b$, and $m\angle 2 = 65$, find $m\angle 6$.
- a. 25
 - b. 65
 - c. 115
 - d. 140

11. Given $a \parallel b$, $m\angle 3 = 5x + 10$, and $m\angle 5 = 3x + 10$, find the value of x .

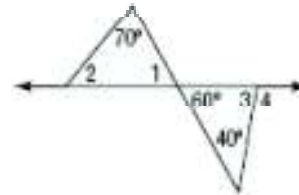
- a. 110
- b. 70
- c. 20
- d. 2.5

12. What is the value of x if $\triangle ABC$ is equilateral?



- a. -8
- b. $-\frac{1}{8}$
- c. $\frac{1}{2}$
- d. 2

Use the figure below to answer the following questions.



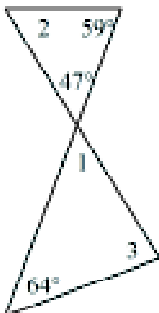
13. What is $m\angle 2$?
- a. 50
 - b. 70
 - c. 110
 - d. 120

14. What is $m\angle 4$?

- a. 10
- b. 60
- c. 100
- d. 120

Find each measure.

15. $m\angle 1$, $m\angle 2$, $m\angle 3$



- a. $m\angle 1 = 64$, $m\angle 2 = 74$, $m\angle 3 = 52$
- b. $m\angle 1 = 64$, $m\angle 2 = 47$, $m\angle 3 = 52$
- c. $m\angle 1 = 47$, $m\angle 2 = 74$, $m\angle 3 = 69$
- d. $m\angle 1 = 47$, $m\angle 2 = 59$, $m\angle 3 = 64$

16. Triangle FJH is an equilateral triangle. Find x and y .



- a. $x = \frac{7}{5}$, $y = 16$
- b. $x = 7$, $y = 16$
- c. $x = \frac{7}{5}$, $y = 14$
- d. $x = 7$, $y = 14$