

CHAPTER
4
Cumulative Test

Choose the best answer.

1. Which list shows all the segments on $\overline{AC}$ that contain the point B ?



- A $\overline{AC}$
 B $\overline{AB}, \overline{BC}, \overline{BD}$
 C $\overline{AB}, \overline{AC}, \overline{AD}, \overline{BC}, \overline{BD}$
 D $\overline{AB}, \overline{AC}, \overline{AD}, \overline{BC}, \overline{BD}, \overline{CD}$
2. M is between R and S . If $RM = 21$, $RS = 15x - 3$, and $MS = 9x + 12$, what is RS ?
- F 12 H 87
 G 66 J 147
3. K is the midpoint of $\overline{VW}$. If $KV = 3x$ and $KW = 5x - 10$, what is VW ?
- A 7.5 C 22.5
 B 15 D 30
4. Which is an obtuse angle?



- F $\angle PQR$ H $\angle R$
 G $\angle PSQ$ J $\angle P$
5. Which angle is supplementary to $\angle RLK$?



- A $\angle RLQ$ C $\angle RLM$
 B $\angle RLP$ D $\angle PLM$

6. Two vertical angles are also complementary. What is the measure of one of the two vertical angles?

- F 90° H 45°
 G 50° J 25°

7. The area of a square is 16 square units. What is the perimeter?

- A 4 units C 16 units
 B 8 units D 32 units

8. The midpoint of a segment is $(-8, 5)$. If one endpoint is $(0, 1)$, what is the other endpoint?

- F $(-16, 9)$ H $(-4, 2)$
 G $(8, -3)$ J $(-4, 3)$

9. To the nearest tenth, what is the distance between $(7, -4)$ and $(-3, -1)$?

- A 5 C 20.5
 B 10.4 D 54.5

10. Which coordinate pair represents the image of $(9, 10)$ reflected over the x -axis?

- F $(9, -10)$ H $(-9, -10)$
 G $(-9, 10)$ J $(10, 9)$

11. What is the next figure in the pattern?



12. For which statement is the converse false?

- F If Mary can swim, then she can swim the crawl.
 G If it is raining outside, then the temperature is above freezing.
 H If Greg has two children, then he has one son and one daughter.
 J If Carolyn can stand up, then she can walk.

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L Reisser



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