

Geometry Review Quiz 1-5 E

- ____1. What is the distance from (1, 2) to (-2, 6)?
A. $\sqrt{17}$ B. $\sqrt{7}$ C. $\sqrt{24}$ D. None of the above
- ____2. A line segment has an endpoint at (3, 2). If the midpoint of the line segment is (6, 1), what are the coordinates of the point at the other end of the line segment?
A. (4.5, 1.5) B. (4.5, 2) C. (9, 0) D. (9, 3)
- ____3. In $\triangle GBR$, $GR = 11$, $BR = 8$, and $BG = 7$.
Which statement is true about the angles in $\triangle GBR$?
A. $\angle R$ is the greatest C. $\angle G$ is the greatest
B. $\angle R$ is the least D. $\angle G$ is the least
- ____4. What equation would be perpendicular to $y = \frac{1}{2}x + 5$?
A. $y = -2x + 5$ B. $y = 2x - 4$ C. $y = -\frac{1}{2}x - 5$ D. $y = -\frac{1}{2}x - 5$
- ____5. If the conditional statement "If you have a laptop, then you have a computer" is represented by $p \rightarrow q$, what is the symbolic representation of "If you have a computer, then you do not have a laptop"?
A. $q \rightarrow \sim p$ B. $\sim q \rightarrow p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$
- ____6. If $\triangle ABC$ is an isosceles triangle with $AB = BC$, which statement must be true?
A. $\angle C = \angle B$ B. $\angle A = \angle B$ C. $\angle A = \angle C$ D. $AC = BC$
- ____7. I have a total of 16 kids. If 11 of my kids play soccer and 9 play tennis, how many play both tennis and soccer?
A. 2 B. 4 C. 8 D. 10
- ____8. Which of the following cannot be used to prove congruency?
A. SSA B. SSS C. AAS D. SAS
- ____9. If C is between X and Y with $CX = 8n - 4$ and $CY = 2n + 10$, what is XY?
A. $6n - 6$ B. $6n - 14$ C. $10n + 6$ D. $10n - 6$
- ____10. If two sides of a triangle are 6 cm and 8 cm, what must be true about the third side?
A. $2 \leq m < 14$ B. $2 < m < 14$ C. $2 > m > 14$ D. $2 \leq m \leq 14$