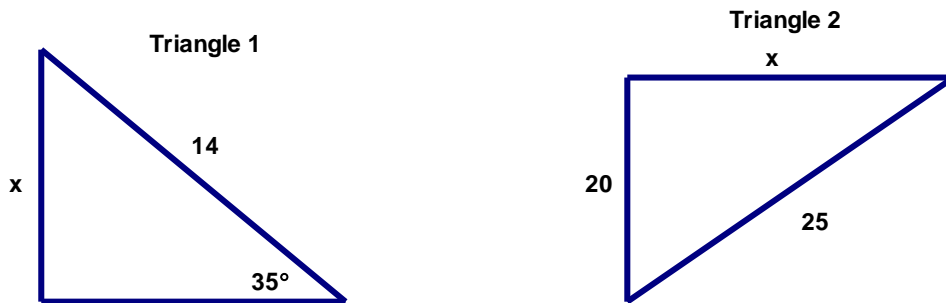


Geometry Review Quiz 1-8 B

Put all answers to the multiple choice questions below. Use Capital Letters, please.

- _____ 1. In a parallelogram, the diagonals are equal in length.
 A. True B. False
- _____ 2. What are the coordinates of D if you know that in quadrilateral ABCD
 $A = (0, 0)$ $B = (6, 0)$, $C = (3, 4)$?
 A. (2, 4) B. (6, 4) C. (-3, 4) D. (1, 8)
- _____ 3. Give the equation in slope intercept form that goes through (2, 4) and is
 parallel to the line $y = 5x - 3$.
 A. $y = 5x + 3$ B. $y = -5x + 12$ C. $y = -\frac{1}{5}x + 12$ D. $y = 5x - 6$
- _____ 4. In $\triangle ABC$, $\angle A = 30^\circ$ and $\angle B = 60^\circ$. If $AB = 8$ cm, what is BC ?
 A. $8\sqrt{3}$ B. $4\sqrt{3}$ C. 16 D. 4



- _____ 5. What is the value of x in the right triangle in Triangle 1 above?
 A. 8.03 B. 11.47 C. 9.80 D. 11.98
- _____ 6. What is the value of x in the right triangle in Triangle 2 above?
 A. 14 B. 15 C. 16 D. 17
- _____ 7. Which of the following doesn't prove congruency?
 A. AAA B. HL C. AAS D. ASA
- _____ 8. In $\triangle ABC$ $\angle A = 2x$, $\angle B = x + 60$, and $\angle C = 2x + 20$. Which side is the longest?
 A. \overline{AB} B. \overline{BC} C. \overline{AC} D. $\angle A$
- _____ 9. 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. $2 \leq m \leq 14$
- _____ 10. In $\triangle RST$ $\angle R = x + 10$, $\angle S = x + 5$, and $\angle T = 3x - 35$. Choose the list of sides of $\triangle RST$ that are
 ordered correctly from longest to shortest.
 A. $\overline{TR}, \overline{RS}, \overline{ST}$ B. $\overline{ST}, \overline{RS}, \overline{TR}$ C. $\overline{RS}, \overline{ST}, \overline{TR}$ D. $\overline{ST}, \overline{TR}, \overline{RS}$