

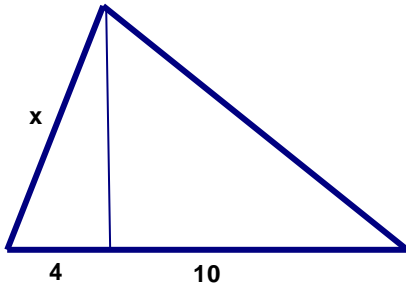
Geometry Review Quiz 27

Name _____

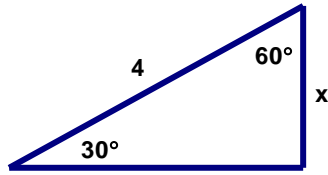
Put all answers to the multiple choice questions below. Use Capital Letters, please.

- _____ 1. Which of the measurements below could be the measurements of a triangle?
A. 3, 4, 9 B. 2, 8, 10 C. 3, 7, 9 D. 6, 8, 16
- _____ 2. 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. $\angle A$
- _____ 3. In $\triangle ABC$, $A = (2, 4)$, $B = (3, 7)$ and $C = (6, 3)$. What angle is largest?
A. $\angle A$ B. $\angle B$ C. $\angle C$ D. None of these
- _____ 4. What is the value of x in Triangle 1 on the back?
A. $\sqrt{40}$ B. $\sqrt{56}$ C. $\sqrt{140}$ D. None of these
- _____ 5. What is the value of x in Triangle 2 on the back?
A. $4\sqrt{3}$ B. $2\sqrt{3}$ C. 2 D. $\frac{4}{\sqrt{3}}$
- _____ 6. What is the value of x in Triangle 3 on the back?
A. 9.6 B. 11.5 C. 12.6 D. 23.3
- _____ 7. What is the value of x in Triangle 4 on the back?
A. 4 B. 6 C. 8 D. None of these
- _____ 8. What is the value of x in Triangle 5 on the back?
A. 3 B. 4 C. 5.6 D. None of these
- _____ 9. What is the value of x in Triangle 6 on the back?
A. 3.6 B. 4 C. 6 D. 6.4
- _____ 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. $\overline{ST}, \overline{TR}, \overline{RS}$

Triangle 1



Triangle 2



Triangle 3

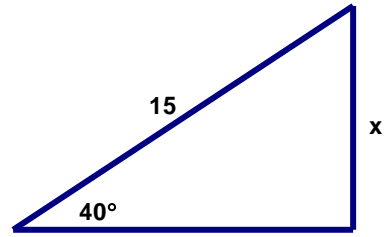


Figure 4

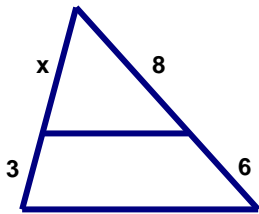


Figure 5

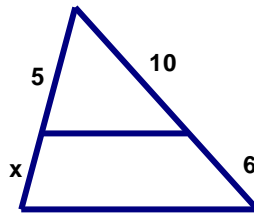


Figure 6

