

Honors Geometry Review Quiz 20

Name _____

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

- ____ 1. What is the value of x in figure 1 on the back?
- ____ 2. What is the BC in figure 2 on the back if \overline{CG} is the median of $\triangle ABC$?
- ____ 3. What is the value of x in figure 3 on the back?
- ____ 4. What is the value of x in figure 4 on the back?
- ____ 5. What is the value of x in figure 5 on the back?
- ____ 6. What equation would be perpendicular to $y = 2x + 5$
A. $y = -x - 5$ B. $y = -2x - 5$ C. $y = -\frac{1}{2}x - 5$ D. $y = \frac{1}{2}x - 5$
- ____ 7. What is the distance from $(1, 5)$ to $(5, 4)$?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{17}$ D. None of the above
- ____ 8. If $\triangle RST \cong \triangle HIJ$, $\angle R = 97^\circ$, $\angle J = 37^\circ$, and $\angle S = 4x + 14$, what is the value of x ?
A. 10 B. 32 C. 46 D. 8

Short Answer

- ____ 9. If the $\sin \theta = \frac{1}{2}$, what is θ ?
- ____ 10. Simplify $5\sqrt{2} \cdot 2\sqrt{2}$

Figure 1

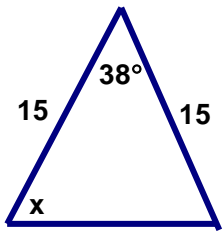


Figure 2

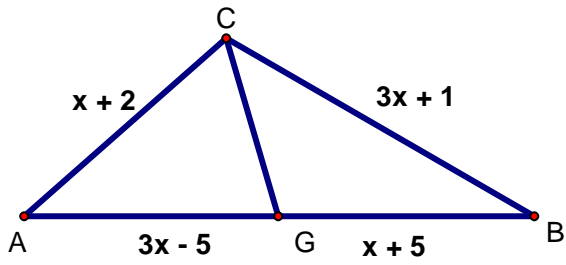


Figure 3

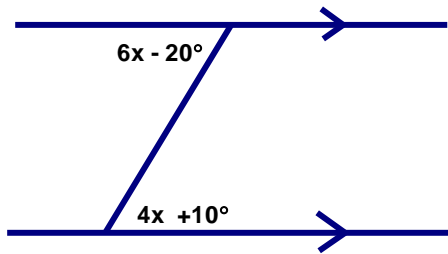


Figure 4

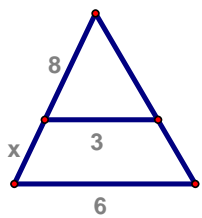


Figure 5

