

# Geometry Review Quiz 25

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
- \_\_\_\_\_9. Which of the following is NOT true if  $\triangle ABC \cong \triangle VCD$ ?  
A.  $AB = VC$       B.  $\angle C = \angle D$       C.  $AC = VD$       D.  $BC = CV$
- \_\_\_\_\_10. 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

Figure 1

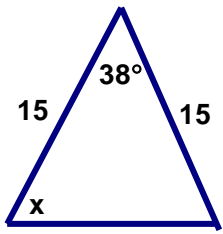


Figure 2

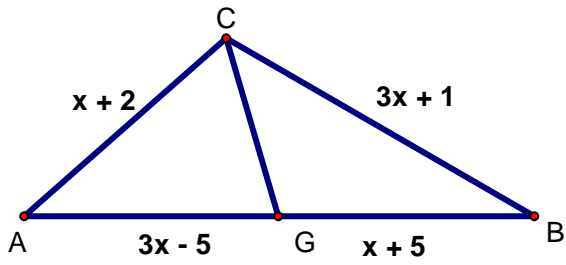


Figure 3

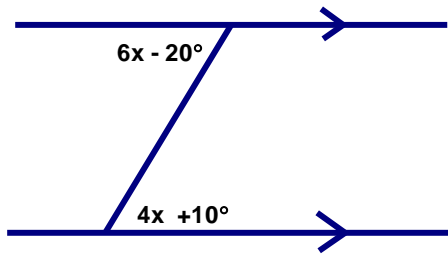


Figure 4

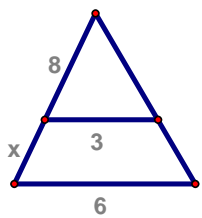


Figure 5

