

# Geometry Review Quiz 1-6 E

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

- \_\_\_\_ 1. Which statement is the inverse of “dogs have four legs”?  
A. If you are not a dog, you don’t have four legs.  
B. If you have four legs, you are a dog.  
C. If you don’t have four legs, you are not a dog.  
D. None of the above.
- \_\_\_\_ 2. What is the distance from (1, 5) to (7, 6)?  
A.  $\sqrt{37}$                       B.  $\sqrt{23}$                       C.  $\sqrt{24}$                       D. None of the above
- \_\_\_\_ 3. What property is demonstrated by: If  $x - 4 = a$ , then  $x = a + 4$   
A. Transitive                      B. Subtraction                      C. Reflexive                      D. Addition
- \_\_\_\_ 4. A is at (10, 3) and B is at (6, 0). If B is the midpoint of  $\overline{AC}$ , what are the coordinates of C?  
A. (2, -3)                      B. (5, 3)                      C. (8, 6)                      D. None of the above
- \_\_\_\_ 5. If X is the midpoint of  $\overline{CN}$  and  $CN = 8n - 2$ , what is CX?  
A.  $16n - 4$                       B.  $4n - 1$                       C.  $4n + 1$                       D. None of the above
- \_\_\_\_ 6. What is the equation in slope intercept form that goes through (3, 4) and (2, 6).  
A.  $y = 2x + 4$                       B.  $y = -2x + 10$                       C.  $y = -2x - 10$                       D. None of the above
- \_\_\_\_ 7. If  $\angle A$  and  $\angle B$  are vertical angles with  $\angle A = 3n + 5$  and  $\angle B = 2n + 15$ , what is the measurement of  $\angle B$ ?  
A. 10                      B. 25                      C. 35                      D. None of the above
- \_\_\_\_ 8. Which regular polygon has an interior angle of  $144^\circ$ ?  
A. Hexagon                      B. Octagon                      C. Decagon                      D. None of the above
- \_\_\_\_ 9. If C is between X and Y with  $XY = 4n - 10$  and  $CY = 2n + 9$ , what is CX?  
A.  $6n - 1$                       B.  $2n - 1$                       C.  $2n - 19$                       D. None of the above
- \_\_\_\_ 10. What equation would be perpendicular to  $y = 3x + 5$   
A.  $y = -\frac{1}{3}x + 4$                       B.  $y = 3x - 4$                       C.  $y = -3x + 5$                       D. None of the above