

# HONORS Geometry Review Quiz 1

Name \_\_\_\_\_

**Put all answers in the blank to the left of the question.**

- \_\_\_\_1. If C is between X and Y with  $CX = 8n - 4$  and  $CY = 2n + 10$ , what is XY?  
A.  $6n - 6$                       B.  $6n - 14$                       C.  $10n + 6$                       D.  $10n - 6$
- \_\_\_\_2. A is at  $(-1, 2)$  and B is at  $(3, 8)$ . What are the coordinates of the midpoint of  $\overline{AB}$ ?  
A.  $(1, 4)$                       B.  $(1, 5)$                       C.  $(2, 5)$                       D.  $(2, 4)$
- \_\_\_\_3. If B is between N and Y with  $BN = 2n - 1$  and  $NY = 6n + 5$ , what is BY?  
A.  $4n + 6$                       B.  $4n + 4$                       C.  $8n + 4$                       D.  $8n + 6$
- \_\_\_\_4. If  $\angle A$  and  $\angle B$  are **vertical angles** with  $\angle A = n + 60$  and  $\angle B = 2n + 10$ , what is the measurement of  $\angle A$ ?  
A. 110                      B. 80                      C. 20                      D. None of the above
- \_\_\_\_5. Where does Mr. Hickam live?  
A. Radford                      B. Blacksburg                      C. Christiansburg                      D. Pulaski
- \_\_\_\_6. What is the distance from  $(1, 5)$  to  $(7, 6)$ ?  
A.  $\sqrt{37}$                       B.  $\sqrt{23}$                       C.  $\sqrt{24}$                       D. None of the above
- \_\_\_\_7. If two angles are **complementary angles** and one angle has a measurement of  $2n + 6$  while the other has a measurement of  $5n$ , what is the value of  $n$ ?  
A. 6                      B. 8                      C. 12                      D. None of the above
- \_\_\_\_8. If two angles are **vertical angles** and one angle has a measurement of  $12n + 20$  while the other has a measurement of  $8n + 28$ , what is the measure of each angle?  
A. 36                      B. 44                      C. 52                      D. 62
- \_\_\_\_9. How many sides does a decagon have?  
A. 5                      B. 7                      C. 10                      D. 12
- \_\_\_\_10. Which of these measurements could be the side measurements of a right triangle?  
A. 5, 6, 8                      B. 7, 24, 25                      C. 8, 12, 20                      D. 11, 12, 18