

# Geometry Review Quiz 1 F

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. How many planes does a dice have?  
A. 4                                  B. 6                                  C. 12                                  D. 18
- \_\_\_\_\_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. How many sides does a pentagon have?  
A. 4                                  B. 5                                  C. 6                                  D. 7
- \_\_\_\_\_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. If two angles are **a linear pair** and one angle has a measurement of  $8n$  while the other has a measurement of  $2n$ , what is the value of  $n$ ?  
A. 18                                  B. 22                                  C. 36                                  D. 44
- \_\_\_\_\_10. If  $\angle A$  and  $\angle B$  are supplementary angles with  $\angle B = n - 10$ , what is the expression for  $\angle A$ ?  
A.  $190 - n$                               B.  $170 - n$                               C.  $100 + n$                               D.  $80 - n$