

## Geometry Review Quiz 1-6 B

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

- \_\_\_\_ 1. 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)
- \_\_\_\_ 2. Which equation would be perpendicular to the  $y = -\frac{1}{7}x + 3$  ?  
A.  $y = -\frac{1}{7}x - 3$               B.  $y = \frac{1}{7}x + 3$               C.  $y = 7x - 5$               D. None of the above
- \_\_\_\_ 3. If three points all lie on a line, the points are said to be what?  
A. segment bisectors                      B. coplanar  
C. derivatives                                  D. collinear
- \_\_\_\_ 4. If  $\angle A$  and  $\angle B$  are vertical angles with  $\angle A = 2n + 60$   
and  $\angle B = 4n + 20$ , what is the measurement of  $\angle B$  ?  
A. 10                                  B. 20                                  C. 80                                  D. 100
- \_\_\_\_ 5. In  $\triangle ABC$   $\angle A = 8x + 12$ ,  $\angle B = 15x - 40$ , and  $\angle C = 10x + 10$ .  
Determine the longest side of  $\triangle ABC$ .  
A.  $\overline{AB}$                                   B.  $\overline{AC}$                                   C.  $\overline{CB}$                                   D.  $\angle A$
- \_\_\_\_ 6. What is the fourth point in a parallelogram if there are points at (0, 0), (6, 0) and (3, 4)?  
A. (9, 4)                                  B. (6, 4)                                  C. (4, 6)                                  D. (4, 9)
- \_\_\_\_ 7.  $\overline{NO}$  is the base of isosceles trapezoid NRPO. If  $\angle N = 4x + 10$  and  $\angle O = 6x + 4$ ,  
what is the value of x?  
A. 2    B. 3    C. 16.6                                  D. 18.2
- \_\_\_\_ 8. If ABCD is an isosceles trapezoid with  $AB = CD$ ,  $\angle B$  is congruent to  
A.  $\angle A$                                   B.  $\angle C$                                   C.  $\angle D$                                   D.  $\angle X$
- \_\_\_\_ 9. If  $\triangle ABC \cong \triangle XYZ$ , which of the following must be true?  
A.  $\angle A = \angle Z$                       B.  $AC = XY$                       C.  $XZ = BC$                       D. None of the above
- \_\_\_\_ 10. If  $\triangle ABC$  is an isosceles triangle with  $AC = BC$  and  $\angle A = 60^\circ$ , what is  $\angle B$  ?  
A.  $40^\circ$                                   B.  $70^\circ$                                   C.  $80^\circ$                                   D. None of the above