

Geometry Review Quiz 1-3 A

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

- ____ 1. What property is demonstrated by: If $x = 4$ and $x + y = 6$, then $4 + y = 6$
A. Transitive B. Subtraction C. Substitution D. None of the above
- ____ 2. What is the measurement of angle #4 in Figure 1 on the back?
A. 10 B. 20 C. 30 D. 40
- ____ 3. What are the measures of two supplementary angles if the difference of their measures is 8° ?
A. 39, 51 B. 41, 49 C. 86, 94 D. 76, 84
- ____ 4. 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. $(2, 4)$
- ____ 5. What is the measurement of x in Figure 2 on the back?
A. 3 B. 15 C. 17 D. 19
- ____ 6. What is the equation in slope intercept form that goes through $(1, 4)$ and $(3, 10)$.
A. $y = 3x + 1$ B. $y = 3x - 10$ C. $y = -3x + 10$ D. $y = -3x - 10$
- ____ 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. Consider the Venn diagram on the back. How many kids play all three sports at the same time?
A. 1 B. 8 C. 3 D. None of the above
- ____ 9. 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. 65 B. 35 C. 10 D. None of the above
- ____ 10. 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. $y = \frac{1}{2}x - 5$

Figure 1

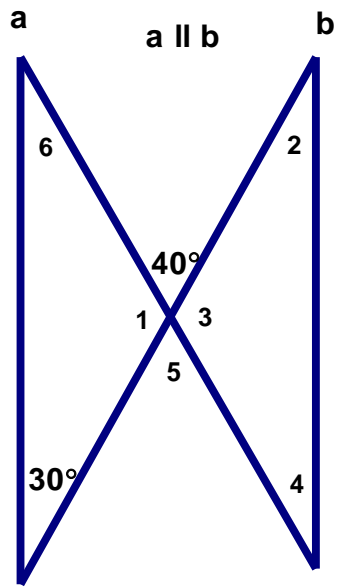


Figure 2

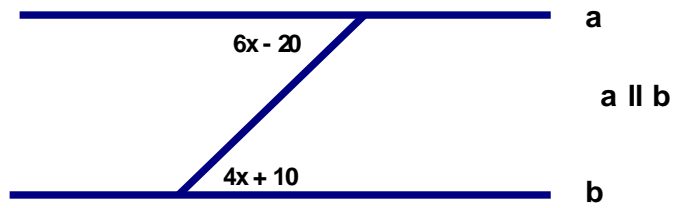


Figure 3

