

Honors Geometry Review Quiz 12

Name _____

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

- ____1. Give the equation in slope intercept form that goes through (2, 7) and has a slope of 4.
A. $y = 4x - 1$ B. $y = 4x + 1$ C. $y = -4x + 15$ D. $y = 4x - 26$
- ____2. What would be the slope of the line that is perpendicular to $y = 5x + 4$?
A. -5 B. 5 C. $\frac{1}{5}$ D. $-\frac{1}{5}$
- ____3. In $\triangle ABC$, $\angle A = 3n$, $\angle B = 5n - 30$, $\angle C = 2n + 10$. What is the measurement of $\angle A$?
A. 20° B. 40° C. 60° D. 80°
- ____4. If $\triangle ABC$ is an isosceles triangle with $AC = BC$ and $\angle A = 40^\circ$, what is $\angle B$?
A. 40° B. 70° C. 80° D. None of the above
- ____5. If $\triangle RST \cong \triangle HIJ$, $\angle R = 97^\circ$, $\angle J = 37^\circ$, and $\angle S = 4x + 14$, what is the value of x ?
A. 8 B. 32 C. 46 D. None of the above
- ____6. If two sides of a triangle are 6 cm and 8 cm, what must be true about the third side?
A. $2 \leq m < 14$ B. $2 < m < 14$ C. $2 > m > 14$ D. $2 \leq m \leq 14$
- ____7. In $\triangle ABC$ $\angle A = 2x$, $\angle B = x + 60$, and $\angle C = 2x + 20$. Which side is the longest?
A. \overline{AB} B. \overline{BC} C. \overline{AC} D. $\angle A$
- ____8. Two sides of a triangle are 4 cm and 10 cm. What is a possible measurement of the third side?
A. 8 cm B. 2 cm C. 15 cm D. 14 cm
- ____9. There are 30 kids who play either soccer or baseball. 4 of the 30 kids play both soccer and baseball. If the soccer team has 18 members, how many kids are on the baseball team?
A. 12 B. 16 C. 20 D. 26
- ____10. When he graduated from college, what award did Mr. Hickam receive at commencement? Commencement is what graduation day is called in college, in case you didn't know.
A. Algernon Sydney Sullivan Award C. Hampden J. Mills Award
B. T. Jones Football All-American D. All of the above.