

Geometry Review Quiz 1 (Chapters 1-3) LOOKALIKE

Name _____

- _____ 1. If B is between A and C on \overline{AC} with $AB = 4n - 2$ and $BC = 2n - 2$, what is AC?
- _____ 2. If A = (3, 8) and B = (10, 11), what is AB? (Round to the nearest tenth.)
- _____ 3. What is the midpoint of a line that has endpoints at (10, -4) and (6, -2)?
- _____ 4. Point A is at (3, 1) and B is at (8, -2). If B is the midpoint of \overline{AC} , what are the coordinates of C?
- _____ 5. If C is between X and Y with $CX = 8n - 4$ and $XY = 12n + 10$, what is CY?
- _____ 6. \overline{BD} bisects $\angle ABC$. If $\angle ABC = 20^\circ$, what is $\angle ABD$?
- _____ 7. If $\angle A$ and $\angle B$ are a linear pair with $\angle A = n + 40$ and $\angle B = n + 60$, what is the measurement of $\angle B$?
- _____ 8. What are the measures of two supplementary angles if the difference of their measures is 8° ?
- A. 39, 51 B. 76, 84 C. 86, 94 D. 41, 49
- _____ 9. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 6n - 20$ and $\angle B = 4n + 20$, what is the measurement of $\angle B$?
- _____ 10. Consider the statement "If you are nice, you have a lot of friends."
"If you are not nice, you don't have a lot of friends" is the _____ of above.
- A. Converse B. Inverse C. Contrapositive
- _____ 11. Statement: *If lines are skew, then they are not coplanar.*
What is the contrapositive of the statement?
- A. If lines are not coplanar, then they are skew.
B. If lines are not skew, then they are coplanar.
C. If lines are coplanar, then they are not skew.
D. If lines are skew, then they are coplanar.
- _____ 12. "If you like dogs, you like cats" is represented by $p \rightarrow q$. What would be the symbolic representation of "if you don't like cats, you like dogs"?

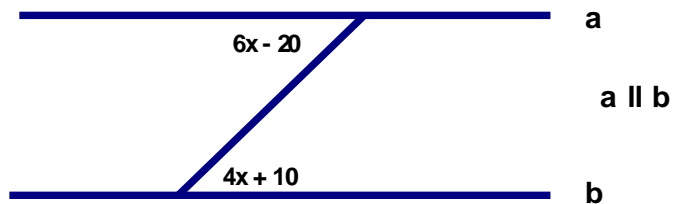
_____ 13. Let p represent $\sqrt{11} = z$, and let q represent z is a rational number.
 What is a symbolic representation of the statement:
 “If $\sqrt{11} = z$, then z is not a rational number”?

_____ 14. What is the area of a circle with a diameter of 8 cm?

_____ 15. What is the circumference of a circle with a diameter of 10 cm?

_____ 16. If the perimeter of a triangle is 40 cm with sides of length $3n$, $2n + 12$, and $5n - 2$, what is the value of n ?

_____ 17. What is the value of x in the figure below?



_____ 18. What is the measurement of $\angle 1$ in the shape below?

_____ 19. What is the measurement of $\angle 3$ in the shape below?

_____ 20. What is the measurement of $\angle 5$ in the shape below?

