Geometry Review Quiz Chapters 1-2 Lookalike
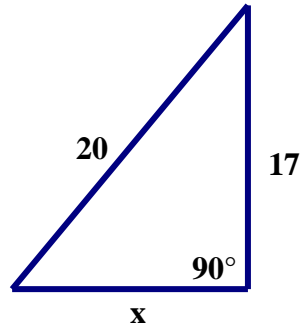
Name _____

_____1.   What is the midpoint of a line that has endpoints at (2, 8) and (6, 4)?

_____2.   If X is the midpoint of $\overline{CN}$ and CX = 6n – 8, what is CN?

_____3.   If C is between X and Y with CX = 8n – 4 and CY = 4n + 16, what is XY?

_____4.   What is the distance from (-3, 9) to (0, 14)?

_____5.   If $\angle A$ and $\angle B$ are supplementary angles with $\angle A = 80°$, what is $\angle B$?

_____6.   If N is between B and Y with BN = 3n – 1, NY = 2n + 4, and BY = 6n – 1, what is the numerical length of BY?

_____7. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 50°$, what is $\angle ABC$?

_____8.   Consider the angles below:
$\angle A = 35°$ $\angle B = 40°$ $\angle C = 55°$ $\angle D = 60°$ $\angle E = 120°$
Which of the following pair of angles would be complementary angles?
A. $\angle A$ and $\angle D$ B. $\angle D$ and $\angle E$ C. $\angle D$ and $\angle B$ D. $\angle A$ and $\angle C$

_____9.   If you walk 6 miles due East and then 8 miles due South, how far are you from your starting point?

_____10.   If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 2n + 60$ and $\angle B = 4n + 10$, what is the measurement of $\angle B$?

_____11.   "If you like dogs, you like cats" is represented by p → q. What would be the symbolic representation of "if you don't like cats, you don't like dogs"?

_____12.   What property is demonstrated by: If x = 4 and x + y = 6, then 4 + y = 6

_____13.   There are 34 kids who play either soccer or baseball. 4 of the 34 kids play both soccer and baseball. If the soccer team has 18 members, how many kids are on the baseball team?

_____14.   What is the perimeter of a square with an area of 49 cm^2?

_____15.   If the perimeter of a triangle is 26 cm with sides of length n + 6, $4n$, and $4n$ +2, what is the value of n?

_____16.   What is the area of a circle with a radius of 10 cm?

(FLIP OVER – there are more questions on the back)

17. What is the inverse of "if you like Mr. Hickam, you are a cool kid."

_____ 18. Find x.

20

17

90°

x

19. Give the shorthand notations for

_____ A) AND

_____ B) THEREFORE

_____ C) OR

_____ D) IF AND ONLY IF

_____ 20. What is the contrapositive of $\sim p \rightarrow q$