Geometry Review Quiz 9

Name _____

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

_____1. What are the measures of two complementary angles if the difference of their measures is $8°$?
A. 39, 51 B. 76, 84 C. 86, 94 D. 41, 49

_____2. If you walk 12 miles due East and then 16 miles due South, how far are you from your starting point?
A. 20 miles B. 24 miles C. 28 miles D. 36 miles

_____3. 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

_____4. Consider the statement "If you are nice, you have a lot of friends." If you have a lot of friends, then you are nice is the ___ of above.
A. Converse B . Inverse C. Contrapositive D. Sublimation

_____5. According to the Venn diagram on the back, how many play football and basketball at the same time?
A. 9 B. 8 C. 33 D. 14

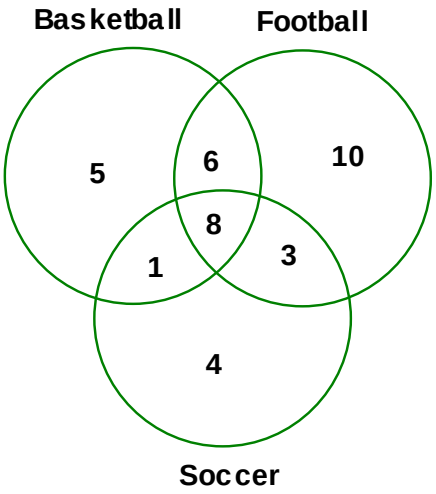
_____6. What is the distance from (1, 5) to (4, 0)?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{34}$ D. $\sqrt{48}$

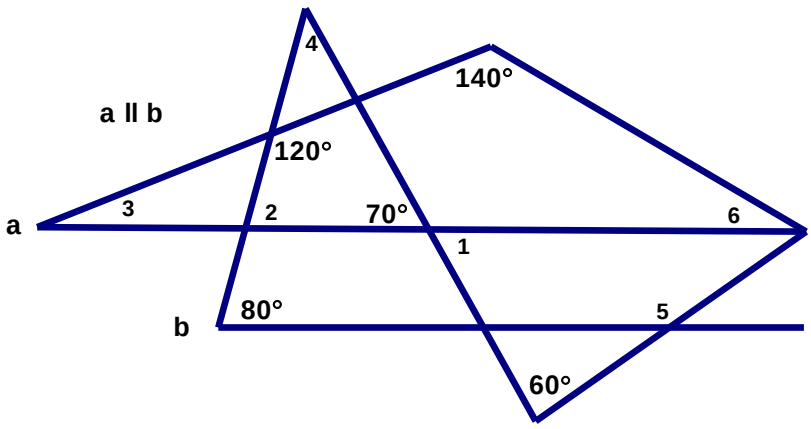
_____7. The converse of all dogs like to chase cats is that some dogs like to chase cats.
A. True B. False

_____8. Complementary angles add up to 180 degrees.
A. True B. False

_____9. Which below is an example of the transitive property?
A. If $\angle A = \angle B$ and $\angle C = \angle D$, then $\angle A = \angle D$
B. If $\angle A = \angle B$ and $\angle C = \angle D$, then $\angle B = \angle D$
C. If $\angle A = \angle B$ and $\angle B = \angle D$, then $\angle A = \angle D$
D. None of the above

_____10. What is the measurement of $\angle 3$ on the back?
A. $20°$ B. $30°$ C. $70°$ D. $80°$


Basketball
Football
Soccer
5
6
10
8
1
3
4


a ll b
a
b
4
140°
120°
3
2
70°
6
1
80°
5
60°