

Honors Geometry Review Quiz 9

Name _____

Put all answers in the blank to the left of the question.

- _____1. What is the midpoint of a line that has endpoints at (0, 3) and (6, -1)?
A. (12, 2) B. (3, 2) C. (12, -5) D. (3, 1)
- _____2. A line segment has an endpoint at (3, 2). If the midpoint of the line segment is (6, 1), what are the coordinates of the point at the other end of the line segment?
A. (4.5, 1.5) B. (4.5, 2) C. (9, 0) D. (9, 3)
- _____3. What is the converse of the following statement?
"If Joe goes fishing, then he needs bait."
A. If he needs bait, then Joe goes fishing.
B. If Joe does not go fishing, then he does not need bait.
C. If he does not need bait, then Joe does not go fishing.
D. If Joe goes fishing, then he does not need bait.
- _____4. If the conditional statement "If you have a laptop, then you have a computer" is represented by $p \rightarrow q$, what is the symbolic representation of "If you have a computer, then you do not have a laptop"?
A. $q \rightarrow \sim p$ B. $\sim q \rightarrow p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$
- _____5. I have a total of 16 kids. If 11 of my kids play soccer and 9 play tennis, how many play both tennis and soccer?
A. 2 B. 4 C. 8 D. 10
- _____6. Which could be the side lengths of a right triangle?
A. 12, 15, 25 B. 11, 60, 61 C. 1, 2, 3 D. 27, 31, 37
- _____7. In Figure 1 on the back, which is a valid conclusion?
A. No cat owners also own dogs.
B. No fish owners also own cats.
C. No dog owners also own fish.
D. No pet owner owns more than one pet.
- _____8. In Figure 2 on the back, which statement is true?
A. No bushes are flowering plants.
B. No roses are bushes.
C. Some flowering plants are bushes.
D. Some roses are not flowering plants.
- _____9. What is the value of x in figure 3 on the back?
A. 15° B. 16° C. 19° D. 21°
- _____10. What is the value of x in figure 4 on the back?
A. 10° B. 15° C. 50° D. 60°

Figure 1

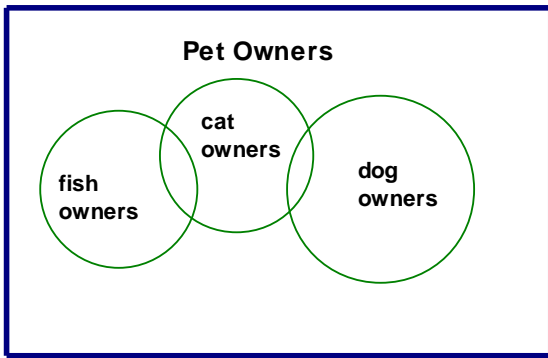


Figure 2

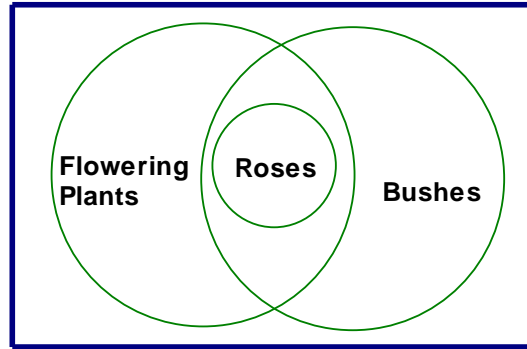


Figure 3

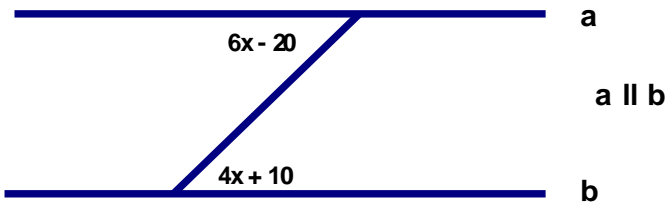


Figure 4

