

Geometry Review Quiz 22

Name _____

- _____1. The inverse of “if you are old, you have a big head” is “if you don’t have a big head, then you are not old.”
A. True B. False
- _____2. “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”?
A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$
- _____3. What does the symbol \therefore mean?
A. approximately B. therefore C. about D. because
- _____4. There are 14 kids in band and 16 in chorus. If 4 of these kids are in both chorus and band, how many total kids are in either band or chorus?
A. 26 B. 28 C. 30 D. 34
- _____5. 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.
- _____6. 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.
- _____7. What is the value of x in Figure 3 on the back?
A. 15° B. 16° C. 19° D. 21°
- _____8. What is the value of x in Figure 4 on the back
A. 15° B. 16° C. 19° D. 0°
- _____9. What would be the slope of the line that is perpendicular to $y = 5x + 4$?
A. 5 B. -5 C. $\frac{1}{5}$ D. $-\frac{1}{5}$
- _____10. What is the value of n in $\frac{n+1}{2} = \frac{n+4}{3}$
A. 2 B. -3 C. -4 D. 5

Figure 1

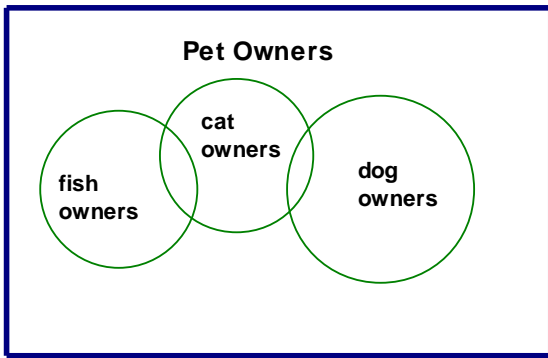


Figure 2

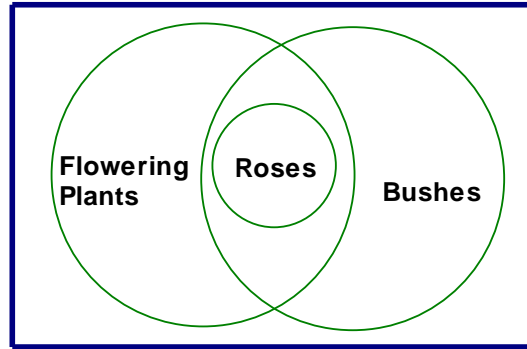


Figure 3

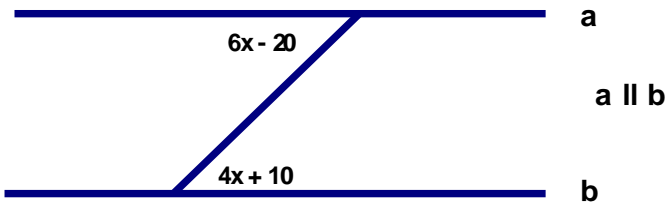


Figure 4

