

22. Let $A = \{a, b, d, f, g\}$ and B be a sets in the universe $U = \{\text{letters of the alphabet}\}$. If $A \cap B = \{b, d\}$ which could be set B ?

a. $B = \{b, d, g\}$

c. $B = \{b, d, 5, e\}$

b. $B = \{b, d, k\}$

d. $B = \{a, f, g\}$

23. Leah scored p points in the first half of the basketball game. In the second half, she scored 3 more than $\frac{1}{2}$ the number of points she scored in the first half of the game. Altogether, she scored 21 points in the game. The following equation represents this situation where p represents the number of points Leah scored in the first half.

$$p + \left(\frac{1}{2}p + 3\right) = 21$$

How many points did Leah score in the first half?

a. 6

c. 12

b. 9

d. 18

24. Subtract $(6a^2 + 3a) - (4a^2 + 2a)$.

a. $2a^2 + a$

c. 3

b. $2a^2 + 5a$

d. $3a^3$

25. Which of the following is the equation of the line that has x -intercept = -2 and y -intercept = -4?

a. $y = -2x - 4$

c. $y = -2x + 4$

b. $y = 2x - 4$

d. $y = -\frac{1}{2}x - 4$

Answers

22. ANS: B

23. ANS: C

24. ANS: A

25. ANS: A