

CA Grade 7 Standard 7.AF.4.1

MULTIPLE CHOICE

1. What value of x makes the equation below true?

$$\frac{x}{3} - 7 = 3$$

- A. 3
B. 10
C. 21
D. 30
2. What is the solution set to the inequality $5x + 2 < 37$?
- A. $\{x: x < 7\}$
B. $\{x: x < 30\}$
C. $\{x: x < 35\}$
D. $\{x: x > 7\}$
3. What is the value of y when $-4y + 11 = 27$?
- A. -9
B. -4
C. 4
D. 9
4. What value of z makes the equation below true?
 $-6z - 5 = 7$?
- A. -2
B. -1
C. $\frac{1}{3}$
D. 2
5. Jazmin has at least 9 more than half as many marbles as Brad. Jazmin has 15 marbles. Which describes the number of Brad's marbles?
- A. at least 12
B. at least 24
C. no more than 12
D. no more than 24
6. What is the value of x when $-8x - 5 = 19$?
- A. -6
B. -3
C. 3
D. 8
7. Joy spent \$50 at the bookstore. Each of the three books she bought cost the same amount of money. She also spent \$2 on a bookmark. How much did each book cost?
- A. \$12
B. \$16
C. \$18
D. \$157

8. What is the value of x when $-9x - 1 = 71$?

- A. -8
- B. -7

- C. 7
- D. 8

9. What is the solution set to the inequality $12y - 9 > 39$?

- A. $\{y: y > -3\}$
- B. $\{y: y > 3\}$

- C. $\{y: y > 4\}$
- D. $\{y: y < 4\}$

10. What value of z makes the equation below true?

$$7z + 50 = 1$$

- A. 49
- B. 7

- C. -5
- D. -7