Linear Equations

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the equation.

1) $3r + 4 = 25$

    A) 18   B) 4   C) 22   D) 7

1) _____

2) $9x - 8 = 64$

    A) {8}   B) {63}   C) {15}   D) {67}

2) _____

Solve the linear equation.

3) $8x - 10 = 30$

    A) {5}   B) {13}   C) {32}   D) {36}

3) _____

4) $5x - 4 = 16$

    A) {7}   B) {15}   C) {19}   D) {4}

4) _____

Solve the equation.

5) $-8a - 23 = -135$

    A) -14 B) -104 C) $\dfrac{79}{4}$ D) 14

5) _____

Solve the linear equation.

6) $10a + 4 = 9a + 6$

    A) {2}   B) {-2}   C) {-10}   D) {10}

6) _____

Solve.

7) $2x - 3 = 96 - 9x$

    A) -9 B) $-\dfrac{99}{7}$ C) 9   D) $-\dfrac{93}{7}$

7) _____

8) $7x + 7 = 3x + 27$

    A) 7   B) 5   C) $\dfrac{17}{5}$ D) 2

8) _____

9) $3y - 6 = 12 + y$

    A) 3   B) $\dfrac{9}{2}$ C) $\dfrac{3}{2}$ D) 9

9) _____

Solve the linear equation.

10) $10z + 1 = 9z + 6$

    A) {5}   B) {7}   C) {-5}   D) {-7}

10) _____

11) $19t - 3 = 9t + 5$

    A) $\left\{-\dfrac{4}{5}\right\}$ B) {14}   C) $\left\{\dfrac{4}{5}\right\}$ D) $\left\{\dfrac{19}{2}\right\}$

11) _____

1) D
2) A
3) A
4) D
5) D
6) A
7) C
8) B
9) D
10) A
11) C