

1. Fractional Arithmetic

Evaluate the following:

(a) $-\frac{9}{4} + (-\frac{1}{3})$ [1]

(b) $4 + 0$ [1]

(c) $-3 + \frac{4}{3}$ [1]

(d) $2 + (-\frac{9}{2})$ [1]

(e) $\frac{4}{3} + \frac{7}{2}$ [1]

2. Linear Equations

Solve the following equations:

(a) $2x + 9 = -8$ [2]

(b) $6x - 1 = 9$ [2]

(c) $-5x - 8 = -5$ [2]

(d) $-x + 6 = 1$ [2]

(e) $4x + 8 = -1$ [2]

Answers

1. (a) $-\frac{31}{12}$.
(b) 4.
(c) $-\frac{5}{3}$.
(d) $-\frac{5}{2}$.
(e) $\frac{29}{6}$.
2. (a) $x = -\frac{17}{2}$.
(b) $x = \frac{5}{3}$.
(c) $x = -\frac{3}{5}$.
(d) $x = 5$.
(e) $x = -\frac{9}{4}$.