

Linear Equations

Solve the following linear equations:

a) $2x - 5 = 3(4 - x)$ b) $\frac{1}{2}x + 3 = x - 4$

Answer:

$$x = \frac{17}{5}$$

Answer:

$$x = 14$$

Solve the following linear equations:

a) $\frac{1}{3}(2 - 6x) = 7 - x$ b) $\frac{2x - 1}{3} = 5 + x$

Answer:

$$x = -\frac{19}{3}$$

Answer:

$$x = -16$$

Solve the following linear equations:

a) $\frac{3 - 2x}{1 + x} = 3$ b) $2\left(\frac{3x}{2} + 1\right) = -\frac{3}{2}(4x - 6)$

Answer:

$$x = 0$$

Answer:

$$x = \frac{7}{9}$$

Solve the following linear equations:

a) $\frac{4 - x}{-1 + x} = \frac{-3}{2}$ b) $\frac{x - 1}{2} = \frac{1}{3}(2x - 3)$

Answer:

$$x = -5$$

Answer:

$$x = 3$$