

Unit 2.3 Solving Linear Equations

1. Solve each of the linear equations for the requested variable

a. $x =$ _____

$$9x - 4 = 14$$

b. $x =$ _____

$$15 + 7x = 7 + 1$$

c. $n =$ _____

$$-5n + 3n + 2 = 34$$

d. $x =$ _____

$$\frac{1}{5}x - \frac{1}{4} + \frac{1}{2} = \frac{3}{10}$$

e. $y =$ _____

$$6y + 3 = y - 7$$

f. $q =$ _____

$$2(q + 1) = 3q + 3$$

g. $y =$ _____

$$6.8y - 2.1 = y - 2.1$$

h. $y =$ _____

$$\frac{3}{8}\left(y - \frac{1}{2}\right) = \frac{1}{4}\left(y + \frac{1}{2}\right)$$

i. $x =$ _____

$$5 - 3x(2 - 1) = 4(x - 5) + 6$$

j. $x =$ _____

$$\frac{3x + 7}{2} = 4$$

k. $x =$ _____
 $\frac{x}{3} - \frac{3}{5} = 2$

l. $x =$ _____
 $\frac{5}{x-2} = 4$