Solve one and two step equations

Name: Class: Date:

Mark / 20 %

1) Solve the equation

a) \( x + 7 = 5 \)

\( x = \)

b) \( x - 5 = 2 \)

\( x = \)

c) \( 3 + x = 5 \)

\( x = \)

d) \( 4 - x = 2 \)

\( x = \)

e) \( 12x = 108 \)

\( x = \)

f) \( \frac{x}{6} = 2 \)

\( x = \)

g) \( \frac{8x}{3} = 48 \)

\( x = \)

h) \( 5x + 1 = 26 \)

\( x = \)

i) \( 7x - 6 = 29 \)

\( x = \)

j) \( \frac{12}{x} = 1 \)

\( x = \)

k) \( \frac{18}{x} = 9 \)

\( x = \)

l) \( \frac{1}{x} = 7 \)

\( x = \)
m) \( \frac{4}{x} = 3 \quad x = \) 

2) Solve the following equation, leaving your answer as a fraction \[3\]

a) \( 12x = 4 \quad x = \) 

b) \( 8x + 9 = 2 \quad x = \) 

c) \( 11x - 2 = 8 \quad x = \) 

3) Solve the following algebraic fraction \[4\]

a) \( \frac{x}{3} + 9 = 14 \quad x = \) 

b) \( \frac{x}{2} - 5 = 3 \quad x = \) 

c) \( \frac{9x}{7} + 4 = 67 \quad x = \) 

d) \( \frac{3x}{7} - 4 = 17 \quad x = \)
Solutions for the assessment Solve one and two step equations

1) a) -2
   b) 7
   c) 2
   d) 2
   e) 9
   f) 12
   g) 18
   h) 5
   i) 5
   j) 12
   k) 2
   l) \( \frac{1}{7} \)
   m) \( \frac{4}{3} \)

2) a) \( \frac{1}{3} \)
   b) \( -\frac{7}{8} \)
   c) \( \frac{10}{11} \)

3) a) 15
   b) 16
   c) 49
   d) 49