

# Solve one and two step equations

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Mark \_\_\_\_\_ / 20 \_\_\_\_\_ %

1) Solve the equation

[13]

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)  $\frac{4}{x} = 3$       $x =$

2) Solve the following equation, leaving your answer as a fraction

[3]

a)  $12x = 4$       $x =$

b)  $8x + 9 = 2$       $x =$

c)  $11x - 2 = 8$       $x =$

3) Solve the following algebraic fraction

[4]

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

b)  $\frac{x}{2} - 5 = 3$       $x =$

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

d)  $\frac{3x}{7} - 4 = 17$       $x =$

**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