

**MPM 1D1 Unit 3 Solving Equations: Practice Quiz Questions for QUIZ #2**

1. **Solve and check each of the following.** Use opposite operation to solve.

To get full marks on the quiz you must show all steps.

a)  $\frac{x}{7} - 5 = -3$

b)  $-4(5x + 1) = 5(x + 2) + 11$

c)  $\frac{-2}{7}y = 10$

d)  $\frac{x+8}{6} = \frac{4}{3}$

e)  $4x - 5 = 2x + 7$

f)  $\frac{2t-5}{9} = 7$

g)  $\frac{-4}{7}(5x + 1) = 8$

h)  $\frac{3x-1}{5} = \frac{2(x-5)}{7}$

i)  $\frac{2}{3} - \frac{4x+3}{6} = \frac{5x}{12} - 2$

j)  $\frac{x}{6} + \frac{3}{4} = 1 - \frac{1}{12}x + \frac{1}{6}$

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

Answers: 1. a) 14 b) -1 c) -35 d) 0 e) 6 f) 34 g) -3 h)  $\frac{-43}{11}$  i) 2 j)  $\frac{5}{3}$  k)  $\frac{79}{4}$