Section 2.3   Focus Exercises

1.   Solve each equation.   <u>Check your answer to show that it is a solution.</u>

a) $3x + 4(x + 7) = 56$

b) $5(x - 2) + 2x = 9x - 2(3x - 5)$

c) $p - \dfrac{p}{8} = \dfrac{p}{4} - 10$

d) $\dfrac{5y}{2} - 9 = \dfrac{2y}{3} + 2$

e) $1 - \dfrac{5}{8}x = 2 - \dfrac{2}{3}x$

f) $\dfrac{3x}{5} + \dfrac{1}{6} = \dfrac{x}{2} - \dfrac{1}{3}$

2. Solve each equation. <u>Check your answer to show that it is a solution.</u>

a) $.6x - 3.2 = .4 - .3x$

b) $.29x - .25 = .43x + .03$

c) $.48x - 1.9 = .54x - 4$

d) $.1x + .008 = .06x - .172$

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

f) $.3(x + 5) = 5(.1 + .11x)$