Section 2.2   Focus Exercises

1.   Solve each linear equation by isolating the variable. <u>Check your answer to show that it is a solution.</u>

a) $6m - 4 = 20$

b) $2 + 6y = -13$

c) $9 - 8x = -23$

d) $y + 19 = 5 - 6y$

e) $4y - 8 = 7 + 9y$

f) $5p + 8 = -7p + 56$

g) $3(2 - w) = 2(10 - 5w)$

h) $y - 4 - 8y = 1 - 5y + 10$

2. Solve each equation by first clearing the fractions. <u>Check you answer to show that it is a solution.</u>

a) $\dfrac{y}{6} = y + 5$

b) $\dfrac{7}{4}h = \dfrac{1}{4}h - 12$

c) $w + \dfrac{1}{7} = \dfrac{6w}{7} - 1$

d) $6 + \dfrac{x}{5} = \dfrac{4x}{5} - 3$

e) $\dfrac{y}{8} + 6 = 6 - \dfrac{5y}{8}$

f) $\dfrac{w}{3} + 5 = \dfrac{8w}{3} - 2$