4.1 Solving Simple Equations

MPM1D

1. Solve the following equations:

a) $x + 3 = 12$

b) $a + 4 = 7$

c) $y + 9 = 11$

d) $b + 5 = 14$

e) $m + 6 = 7$

f) $p - 4 = 2$

g) $h + 1 = 7$

h) $x + 8 = 12$

i) $m + 7 = 10$

j) $p + 5 = 6$

e) $r - 9 = 2$

f) $t - 3 = 5$

2. Solve the following equations:

a) $6w = 32$

b) $5y = 35$

c) $-2x = 18$

d) $\frac{k}{4} = 3$

b) $\frac{u}{2} = 8$

c) $\frac{r}{-5} = -2$

3. Solve each two-step equation

a) $7x - 4 = 10$

b) $-12x - 36 = 0$

c) $-3x - 1 = 14$

d) $\frac{x}{-3} + 5 = 10$

e) $5 + \frac{x}{2} = -2$

f) $-3 + 8x = 1$

4. A hockey team has $700 to buy new jerseys. Ice-wear, a jersey supplier, charges $50 per jersey. How many new jerseys can the team buy?

a) Write an equation that models the number of jerseys the team can afford.

b) Solve the equation. Write a conclusion to the problem.