

Exercise 2015-9EF-00005(2)

(1) Solve the following equations:

(a) $2q + 3 = 5 - 2q + 6$

(b) $4(t - 3) + 2(t - 2) = 5$

(c) $\frac{2y - 1}{5} = 1\frac{3}{4} - \frac{2 - y}{2}$

(d) $(p + 2)^2 = (p - 1)(p + 1)$

(e) $x^2 - 2x + 6 = x + 10$

(f) $\frac{m + 1}{m} + \frac{3}{4m} = \frac{-1}{2}$

(g) $(4k - 1)(3k + 6) = 0$

(2) Solve for x and y :

(a) $3x = 3y + 1$ and $2y = -2$

(b) $2(x - 3) = 0$ and $2x - 3y = 2$