



$$1(a) \quad 2y + \frac{5}{2} = \frac{37}{2}$$

$$\Rightarrow 2y = \frac{37}{2} - \frac{5}{2}$$

$$\Rightarrow y = \frac{37-5}{2 \times 2}$$

$$= \frac{\cancel{32} 8}{4}$$

$$\Rightarrow y = 8$$

$$1(b) \quad 5t + 28 = 10$$

$$\Rightarrow 5t = 10 - 28$$

$$\Rightarrow 5t = -18$$

$$\Rightarrow t = \frac{-18}{5}$$

$$1(c) \quad \frac{a}{5} + 3 = 2$$

$$\Rightarrow \frac{a}{5} = 2 - 3$$

$$\Rightarrow a = -1 \times 5$$

$$\Rightarrow a = -5$$

$$1(d) \quad \frac{q}{4} + 7 = 5$$

$$\Rightarrow \frac{q}{4} = 5 - 7$$

$$\Rightarrow q = -2 \times 4$$

$$\Rightarrow q = -8$$

4.3 P1

$$1(e) \quad \frac{5}{2}x = -10$$

$$\Rightarrow x = -10 \times \frac{2}{5}$$

$$\Rightarrow x = -4$$

$$1(f) \quad \frac{5}{2}x = \frac{25}{4}$$

$$\Rightarrow x = \frac{25}{4} \times \frac{2}{5}$$

$$\Rightarrow x = \frac{5}{2}$$

$$1(g) \quad 7m + \frac{19}{2} = 13$$

$$(x2) \quad 7m \times 2 + \frac{19}{2} \times 2 = 13 \times 2$$

$$\Rightarrow 14m + 19 = 26$$

$$\Rightarrow 14m = 26 - 19$$

$$\Rightarrow m = \frac{7}{14}$$

$$\Rightarrow m = \frac{1}{2}$$