

4(a) i $x = 2$

$$(\div 3) \quad \frac{x}{3} = \frac{2}{3}$$

ii $x = 2$

$$(\times 5) \quad 5x = 10$$

$$(+2) \quad 5x + 2 = 12$$

(iii) $x = 2$

$$(-3) \quad x - 3 = 2 - 3$$

$$\Rightarrow x - 3 = -1$$

4(b) i $x = -2$

$$(\times 7) \quad 7x = -14$$

ii $x = -2$

$$(+11) \quad x + 11 = -2 + 11$$

$$\Rightarrow x + 11 = 9$$

(iii) $x = -2$

$$(-5) \quad x - 5 = -2 - 5$$

$$\Rightarrow x - 5 = -7$$