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2. (i) $7x - 1 = 5x + 4$

~~$(x - x)$~~
 $7x = 5x + 5$

$$7x - 5x = 5x - 5x$$

$$2x = 5$$

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

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

(ii) $30x + 20 = 14x - 7$
 $= 20$

$$30x = -14x - 27$$

$$30x + 14x = -14x - 27$$
$$+ 14x$$

$$= \frac{44x}{44} = \frac{-27}{44}$$

i. (iii)

$$\frac{2x+1}{x-1} = 4$$

$$3(x-1) = (2x+1)$$

$$(2x+1) \quad 4: 8x+4$$

$$3x - 3 = 8x + 4$$

$$x = \frac{7}{5}$$

iv. $x^2 + 4x + 4 = x^2 + 18x$
 $+ 15$

$$x^2 + 4x = x^2 + 8x + 11$$

$$x^2 + 4x - (x^2 + 8x) = x^2 + 8x + 11 - (x^2 + 8x)$$

$$x = -\frac{11}{4}$$