$$A = B$$
$$= C$$
$$= D$$

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$$= C$$

$$= D$$

$$E = F$$

$$= G$$

$$= H$$

$$A = (4x - 1)(6 - 3x)$$

$$= 24x - 12x^{2} - 6 + 3x$$

$$= -12x^{2} + 27x - 6$$

$$B = (x - 2)(x + 7) + x^{2}$$

$$= x^{2} + 7x - 2x - 14 + x^{2}$$

$$= 2x^{2} + 3x - x^{2} - 12 + 4x$$

$$= x^{2} + 7x - 12$$

$$A = (4x - 1)(6 - 3x) = 24x - 12x^{2} - 6 + 3x = -12x^{2} + 27x - 6$$

$$B = (x - 2)(x + 7) + x^{2}$$

$$= x^{2} + 7x - 2x - 14 + x^{2}$$

$$= 2x^{2} + 5x - 14$$