

Algebra Topics: Re-Arranging

Example.

Make d the subject of the following formula.

$$4(d - 2e) = 7 + 3e$$

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$$4d - 8e = 7 + 3e$$

$$4d = 7 + 11e$$

$$d = \frac{7 + 11e}{4}$$

1. Make k the subject of the following formula.

$$5(k + 3e) = 12 + 5e \quad [3]$$

2. Make d the subject of the following formula.

$$h = \sqrt{t - d} \quad [2]$$

3. Make e the subject of the following formula.

$$\frac{d(2 + e)}{5 - e} = 3 \quad [4]$$

4. Make t the subject of the following formula.

$$w(5 - 3t) = 2(t + 5) \quad [4]$$

5. Make p the subject of the following formula.

$$a(3t - 2p) = p(3b - w) - w \quad [4]$$

6. Make x the subject of the following formula.

$$y = \frac{x + 9}{2x - 5} \quad [5]$$