

- 1 Make g the subject of the formula $T = \sqrt{\frac{g+6}{2}}$

2 $v^2 = u^2 + 2as$

$u = 12$ $a = -3$ $s = 18$

(a) Work out a value of v .

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(2)

(b) Make s the subject of $v^2 = u^2 + 2as$

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(2)

3 $T = 3x + 4y$

(a) Work out the value of T when $x = 5$ and $y = -7$

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(2)

(b) Work out the value of y when $T = 38$ and $x = 6$

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(2)