

## Solving linear equations

Total Marks: 33

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### Question 1

Solve  $8 - 2p = 15$

.....

**(2 marks)**

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### Question 2

Solve

$$3(m - 4) = 21$$

.....

**(2 marks)**

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### Question 3

$$A = 2x^2 + kx$$

$$A = 38 \quad x = 4$$

Work out the value of  $k$ .

$k =$  .....

**(3 marks)**

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**Question 4**

$$p = 3t + 4(q - t)$$

Find the value of  $q$  when  $p = 6$  and  $t = 5$

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**(3 marks)**

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**Question 5**

Solve

$$4y + 1 = 2y + 8$$

.....

**(2 marks)**

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**Question 6**

Solve

$$8x = 3(x + 20)$$

.....

**(2 marks)**

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**Question 7**

Solve

$$7y - 6 = 2y + 8$$

.....

**(4 marks)**

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**Question 8**

Solve

$$\frac{29 - x}{4} = (x + 5)$$

.....

**(3 marks)**

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**Question 9**

Solve

$$\frac{2y + 1}{3} = \frac{y - 2}{4}$$

.....

**(4 marks)**

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**Question 10**

Solve

$$3x^2 = 147$$

.....

**(2 marks)**

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**Question 11**

Solve

$$y = \frac{2y + 1}{5}$$

.....

**(3 marks)**

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**Question 12**

Solve

$$\frac{5w - 8}{3} = 4w + 2$$

.....

**(3 marks)**

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