Name:

Exam Style Questions



Changing the Subject

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 7



1. Make w the subject of the formula

$$y = 3w - a$$

$$+a + a$$

$$y + a = 3w$$

$$\div 3 \div 5$$

$$y + a = w$$

2. Make w the subject of the formula

3.

$$v = u + 10t$$

(a) Work out the value of v when u = 4 and t = 3

(b) Make u the subject of the formula

(c) Make t the subject of the formula

4. Here is a rectangle.

P is the perimeter of the rectangle.

(a) Show that P = 6x + 2

(b) Express x in terms of P

(2)

5. Make m the subject of the formula

6. Express v in terms of t

$$t = \frac{\sqrt{4}}{4} + 1$$
-1 -1
$$t - 1 = \sqrt{4}$$

$$\times 4 \times 4 \times 4$$

$$4t - 4 = V$$

$$V = \frac{\sec ba}{(2)}$$

7. Make d the subject of the formula

$$c = 4d + 5$$

8. Make g the subject of the formula:

$$a = \sqrt{g}$$

9. Make y the subject of the formula:

$$k = y^2 + a$$

- 10. C = 4x + 5y
 - (a) Find the value of C when x = 9 and y = -2

(b) Make x the subject of the formula

(c) Find the value of x when C = 51 and y = 3

1 = 0

11. Make b the subject of the formula $a^2 + b^2 = c^2$

$$b^{2} = (^{2} - 0^{2})$$

$$b^{3} = (^{3} - 0^{2})$$

$$b = \int (^{3} - 0^{2})$$

12. Rearrange y = 2x + 1 to make x the subject