

- 1) Make x the subject of

$$2x - 10 = bx$$

- 2) Make x the subject of

$$mx = n - px$$

- 3) Make x the subject of

$$3(x + 1) = hx$$

- 4) Make x the subject of

$$y + gx = ux + 2y$$

- 5) Make x the subject of

$$y - 5x = 3(x + 2)$$

- 6) Make y the subject of

$$a(y + 3) = b(y + 2)$$

- 7) Make z the subject of

$$3(z - c) = 2(az - 4)$$

- 8) Make x the subject of

$$xy = \frac{x + 2}{3}$$

- 9) Make x the subject of

$$y = \frac{x + 1}{x - 2}$$

- 10) Make w the subject of

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

- 11) Make x the subject of

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

- 12) Make a the subject of

$$b = \sqrt{\frac{a + 1}{2a}}$$

- 13) Make x the subject of

$$3a = \sqrt{\frac{2x + 3}{5x}}$$

- 14) Make x the subject of

$$y = \sqrt{\frac{x - 4}{x + 1}}$$

- 15) Make x the subject of

$$a = \frac{x - 2}{2x + 1}$$

- 16) Make c the subject of

$$\frac{1}{b} = \frac{1}{c} + \frac{1}{d}$$

- 17) Make e the subject of

$$t = \frac{2e + 7}{9 - e}$$

- 18) Make p the subject of

$$n = \sqrt{\frac{8p + 11}{10 + 2p}}$$

- 19) Make f the subject of

$$m = \sqrt{\frac{f + h}{fh - g}}$$

- 20) Make y the subject of

$$\frac{m}{n} = \frac{4y}{y + 9}$$

- 21) Make b the subject of

$$d = \frac{b + 6}{7 + b} - 2$$

- 22) Make m the subject of

$$r = \frac{7m^2 + 8}{10 - 2m^2}$$

Challenge

- 23) Make x the subject of

$$x^2 + 8x - 10 = 25 + y$$

- 24) Make y the subject of

$$3y^2 + 12y - b = 4a$$

- 25) Make x the subject of

$$x^2 - 4ax - 12 = ef + 10$$