factorise $\chi^2 + 5\chi + 6$

Simplify

Sketch

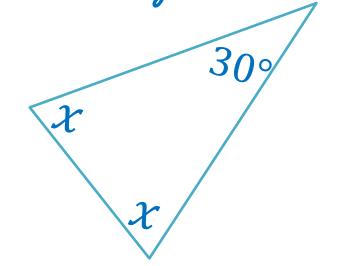
$$6p + 3 = 23$$

$$y = 2x - 3$$

Make
$$x$$
 the subject of the formula $y = 4x + 3$

Simplify
$$x^7 \times x^5$$

Find the angles marked x



Find the gradient and y intercept of the line

$$2y = 8x - 4$$

factorise x^2-3x-4

Simplify $\sqrt{147}$

Sketch

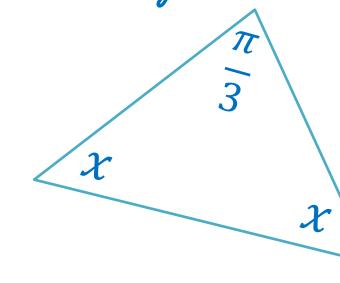
$$y = 2 - 4x \ 4y - 9 = 3 + y$$

Rationalise

Make m the subject of the formula p-7=3+2m

$$x^{8} \div x^{2}$$

Find the angles marked x



Find the gradient and y intercept of the line

$$3y = 6 + 4x$$

$$\chi^2 - 4$$

Simplify $\sqrt{45} + \sqrt{18}$

Sketch

$$2x + y = 4$$

$$3 = \frac{2x+1}{4}$$

Rationalise

Make
$$y$$
 the subject of the formula $E=3-4y$

Find the angle marked x

$$\frac{\pi}{4}$$

Find where the line 4x + 5y = 20 crosses the x-axis

Lactorise $\chi^2 - 5\chi + 6$

Simplify

Sketch

$$y = x^2$$

$$\frac{x}{4} + 5 = 6$$

Rationalise

Make p the subject of the formula

$$W = \frac{3y}{2}(p+5)$$

$$Simplify$$
 1
 x^{2}
 X

Find the angles marked x

Find where the line

$$2x - 3y = 12$$
crosses the y-axis

ractorise 15 $\chi^2 - 8\chi + 15$

Simplify
$$\frac{\sqrt{21}}{\sqrt{3}}$$

8ketch

$$y = x^3$$

$$2\left(\frac{m}{4}-4\right)=16$$

Rationalise

$$\frac{3}{5\sqrt{3}}$$

$$Simplify$$

Make r the subject of the formula $V = \frac{1}{2}\pi r^2 h$

Find the angle marked x

$$\frac{3\pi}{5}$$

Find where the line 3y = 2x - 4 crossesthe coordinate axes

Simplify
$$\frac{24\sqrt{6}}{4\sqrt{2}}$$

Sketch
$$y = \frac{1}{x}$$

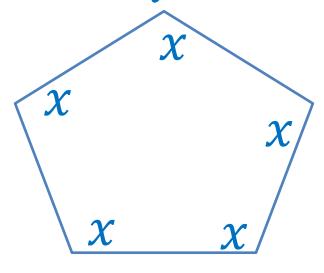
$$\frac{1}{4k} + \frac{1}{3k} = -7$$

Make k the subject of the formula

Simplify
$$\frac{2}{x^{\frac{1}{3}}} \times x^{3}$$

$$p = \frac{2k+4}{k}?$$

Find the angles marked x



Find where the line 3x + 4y = 5 crosses the coordinate axes

$$3x^2-9x^{-3}$$

Simplify

$$(3\sqrt{7})^2$$

Sketch

$$y = x^2 + 2$$

$$y = x^2 + 2 \frac{10 - 4x}{6} + \frac{12 + 6x}{2} = 12$$

Make y the subject of the formula xy - 5z = 3 - 4y

x 2 . 1 FRACTIONS

Find the angle marked x

$$\frac{2\pi}{3}$$

Find where the line ay = bx + c crosses the coordinate axes