



Expand and simplify

$$7(3y + 8) - (8y - 2)$$

$$21y + 56 - 8y + 2$$

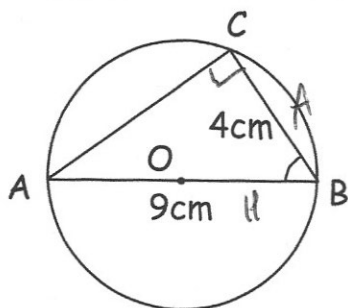
$$13y + 58$$

$$f(x) = 3 - \sin x^\circ$$

Find $f(30)$

$$3 - \sin 30$$

$$3 - 0.5 = 2.5$$



Find the size of angle ABC.

$$\cos ABC = \frac{4}{9}$$

$$\angle ABC = 63.6^\circ$$

Find an equation of the line perpendicular to $y = 2x - 1$ and passing through $(2, 4)$

$$\begin{array}{l} x \ y \downarrow \\ -\frac{1}{2} \end{array}$$

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

$$4 = -1 + c$$

$$c = 5$$

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

Factorise $2x^2 + x - 6$

$$(2x - 3)(x + 2)$$

Factorise $a^4 - b^4$

$$(a^2 - b^2)(a^2 + b^2)$$

$$(a - b)(a + b)(a^2 + b^2)$$