

Tutorial Sheet Week 7.

Q2.

We shall call the slope-intercept form of the equation we need to find is $y = mx + b$.

So this equation is said to be perpendicular to $y = 2x - 3$.

$$\rightarrow m \cdot 2 = -1.$$

$$\rightarrow m = -\frac{1}{2}.$$

~~line~~ The equation will be like this now $y = -\frac{1}{2}x + b$

It's said that the line of this equation passes through $(4, 0)$

$$\rightarrow 0 = -\frac{1}{2} \cdot 4 + b$$

$$\rightarrow b = 2.$$

\rightarrow The equation will be like this $y = -\frac{1}{2}x + 2$.

