

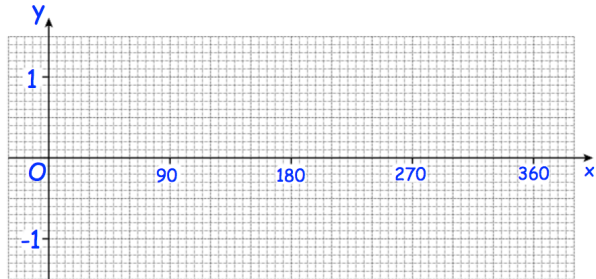


A curve with equation $y = 6^x$ crosses the y-axis at the point A.

A circle with centre $(0, 0)$ passes through the point A.

Write down the equation of the circle.

Sketch the graph of $y = \cos x$ for $0 \leq x \leq 360$.



Yasmin is making a scale drawing of Wales.

The distance from Conwy to Newport is 2×10^5 metres.

Yasmin wants the distance between Conwy and Newport to be 30cm on her drawing.

Work out the scale that Yasmin should use, in the form $n : 1$.

The area of a circle is 20cm^2 to the nearest cm^2 .

Find the error interval for the circumference of the circle.

Rearrange $w = \frac{x^3 + 2}{2x^3 - y}$

to make x the subject