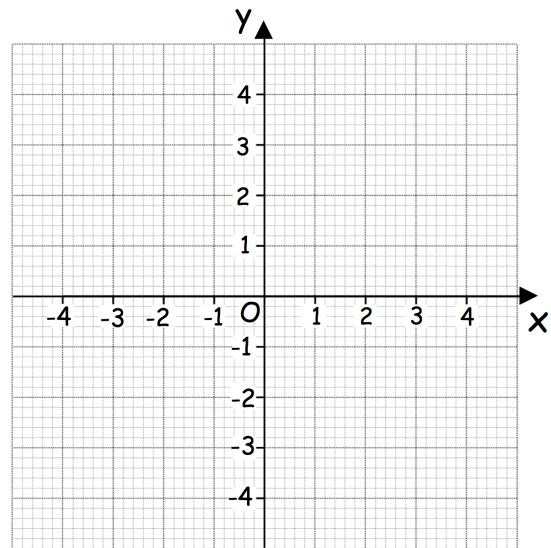




A cylinder has a height of 18cm and volume of 1715cm^3 .
Work out the surface area of the cylinder.

Draw $x^2 + y^2 = 16$



By sketching $y = 2^x$, show that the graphs of $x^2 + y^2 = 16$ and $y = 2^x$ have two points of intersection.

Solve

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

Give your solutions to 3 significant figures