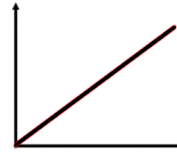




Match each graph to the correct relationship.



$$y \propto \frac{1}{x}$$



$$y \propto \sqrt{x}$$



$$y \propto x$$

Simplify fully

$$\sqrt{275}$$

Write $18\cos 30^\circ + 2\tan 60^\circ$ in the form $a\sqrt{b}$

The population of an island is decreasing exponentially.

Osian has begun to monitor the population each year.

Year 6 - Population 3000

Year 8 - Population 2000

What was the population in Year 2?

The area of a circle is 400cm^2 to 1 significant figure.

Work out the lower bound for the circumference of the circle