

M8 = 5 days to go!

5 There are 20 boys and 12 girls in a chess club.

Three fifths of the boys have been members for over 2 years.

Two thirds of the girls have been members for over 2 years.

What is the probability that a child chosen at random from the chess club has been a member for over 2 years?

Answer _____ [3]

y is inversely proportional to the square of x .

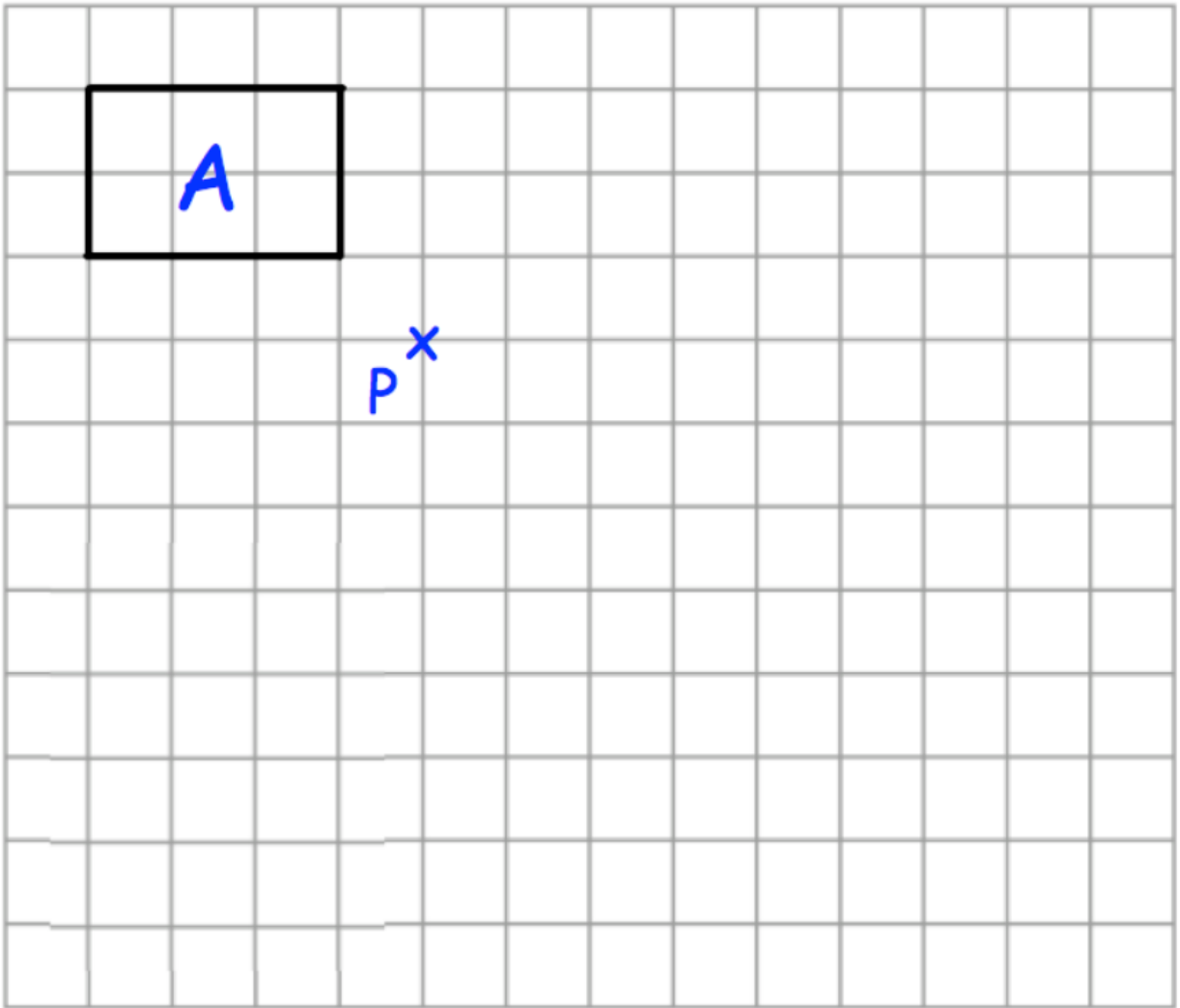
When $y = 200$, $x = 2$

(a) Find an equation connecting y and x .

(b) Work out the value of y when $x = 5$

(c) Work out the value of x when $y = 50$

2.

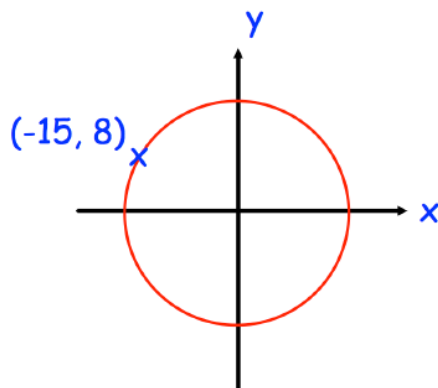


Enlarge shape A by scale factor -2 , using the point P as centre of enlargement.

7. The circle below has centre $(0, 0)$.
The point $(-15, 8)$ is a point on the circle.

(3)

Find the equation of the circle.



.....
(3)