



Which is smaller?

$$(x+5)^2 \quad \text{or} \quad x^2 + 10x + 27$$

$$(x+5)(x+5) = x^2 + 10x + 25$$

$$(x+5)^2 =$$

Solve  $5x^2 - 31x + 6 = 0$ 

$$(5x-1)(x-6) = 0$$

$$5x=1 \quad \text{or} \quad x=6$$

$$x = \frac{1}{5}$$

Work out

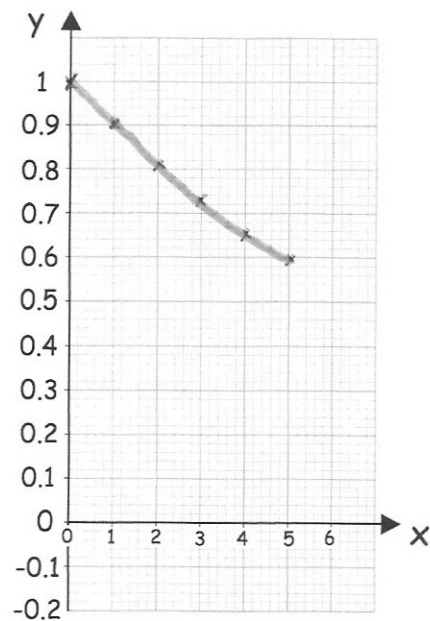
$$36^{\frac{3}{2}}$$

$$\sqrt{36} = 6$$

$$6^3 = 216$$

Draw the graph of  $y = 0.9^x$  for the values of  $x$  from 0 to 5.

$x$	0	1	2	3	4	5
$y$	1	0.9	0.81	0.729	0.6561	0.59049



$$-2 < b < -1$$

Write down an inequality for  $b^2$