

**1st March**



Corbettmaths

**Simplify**

$$(2x - 3)^3 - (x - 4)^3$$

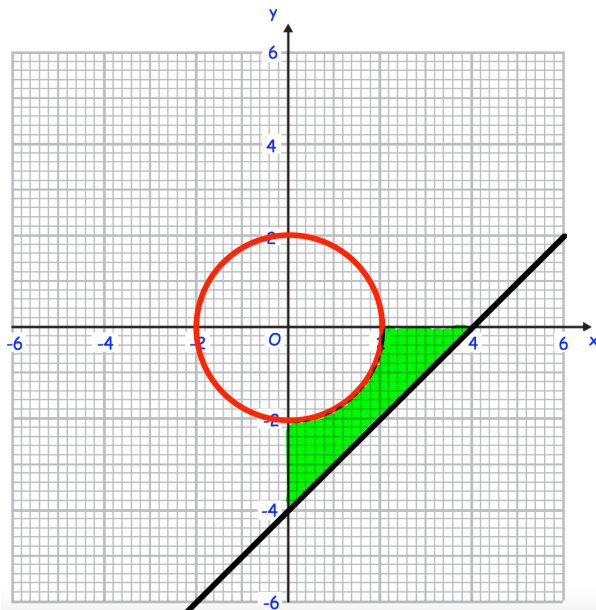
Express  $\sqrt{8} + \sqrt{18}$  in the form  $a\sqrt{2}$

A scientist wants to estimate the number of toads living near a lake.

On Friday she catches 90 toads and tags them. She then releases the toads.

On Saturday the scientist catches 50 toads and 7 of them are tagged.

Estimate the number of toads that live near the lake.



Find the area of the shaded region.