**30th August**

**Find the two possible values of** $\theta$

**Write down the equation of the tangent to the circle** $x^2 + y^2 = 25$ **at the point** $(3, 4)$

**There are 9 counters in a bag.**

- 5 of the counters are red
- 4 of the counters are white.

**Tom takes at random three counters from the bag.**

**Prove**

$$\cos BAD = 1 - \frac{x^2}{50}$$