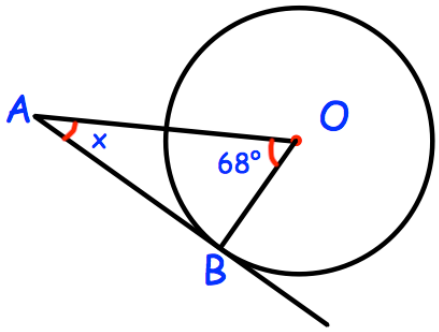
Name: _____ 5-a-day Higher

29th November

Corbettmaths



AB is a tangent
Find x

n is an integer. From the expressions

4n 6n−1 $2n^2$ n^2+1

Which expression(s) will always give an even number?

Which expression(s) will always give an odd number?

Which expression(s) could give an even or odd number?

Simplify

$$\frac{4^5 \times 4^6}{4^3}$$

C is directly proportional to W^3

When C = 9000, W = 10.

Find C when W = 5.

Simplify

$$\frac{2x^2 + 3x - 2}{2x^2 - 15x + 7}$$