

**16th November**

Corbettmaths

Simplify  $(3x^3y^5)^4$  $f(x) = 8 - 2x^2$  for all values of  $x$ Write down the range of  $f(x)$  $A(-8, 9)$  and  $B(13, -26)$ Given  $AN:NB = 3 : 4$ Find the coordinates of point  $N$ .

Solve the equation

$$4\cos^2x + 8\sin x - 7 = 0$$

for  $0^\circ \leq x \leq 360^\circ$