



Find the equation of the straight line through  $(0, 5)$  which is perpendicular to the line  $y = 9x - 4$

Convert  $0.0454545\dots$  into a fraction

Simplify

$$\frac{x^2 - 1}{x^2 + x}$$

A number has been rounded to 10, correct to 1 significant figure.

Francesca says that the lower bound is 9.5 and the upper bound is 10.5

Explain why Francesca is wrong.

Expand and simplify  $(4 - x)^3$