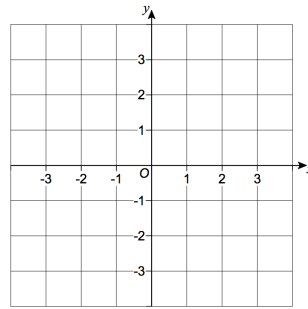




Sketch $x^2 + y^2 = 4$



$$f(x) = \frac{3x - 2}{x - 5}$$

Work out $f^{-1}(2)$

A drone flies a distance of 80m at a speed of 4m/s, with both values given to 1 significant figure.

Write the error interval for the time taken, T.

Ship B is 7km, on a bearing of 035° , from Ship A. Ship C is located on a bearing of 070° from Ship A and on a bearing of 135° from Ship B.

Work out the distance of Ship C from Ship B.

The curve

$$y = a + b^x$$

passes through the points (1, 5) and (2, 17) where $a > 0$ and $b > 0$.

Find a and b