Name: _____ 5-a-day Higher Plus

27th April

Corbettmaths

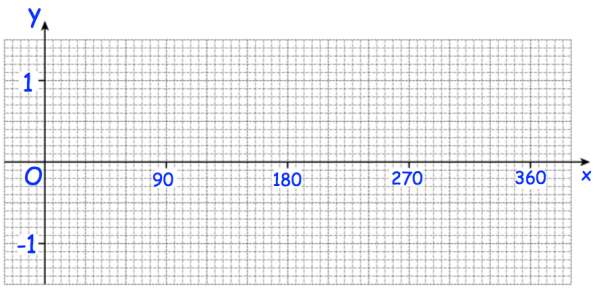
Simplify

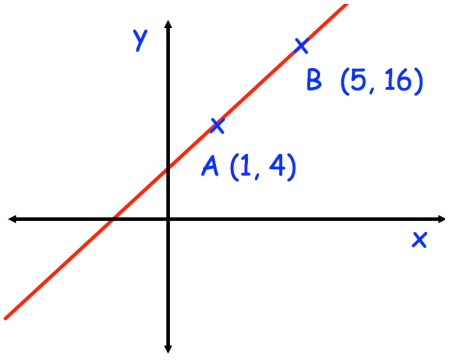
$$\frac{x^3 - x}{x + 2} \div \frac{x^2 - x}{x^2 - 5x - 14}$$

Hours, h	Frequency
$0 < h \leq 5$	27
$5 < h \leq 10$	44
$10 < h \leq 15$	21
$15 < h \leq 20$	8

Find the lower quartile

Sketch the graph of y = sin x for $0 \leq x \leq 360$.





Shown is a straight line that passes through the points A(1, 4) and B(5, 16)

Find the equation of the line

Find the shortest distance between the line and the origin.