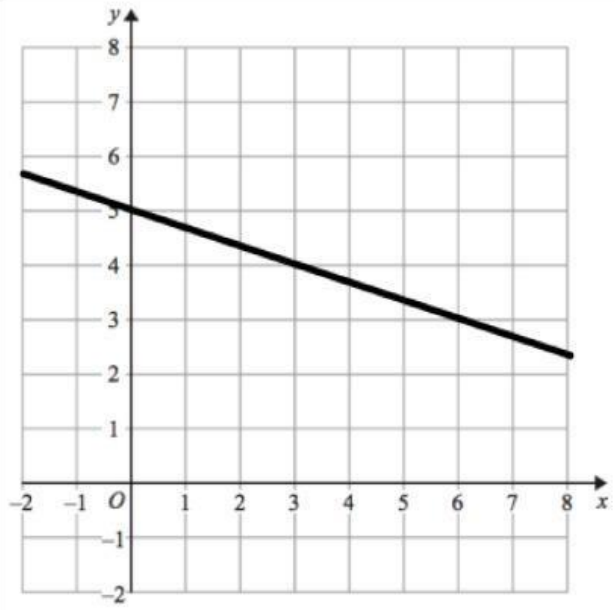
CONSOLIDATE PRACTICE SHEET II

Work out

$$\left(\frac{8}{27}\right)^{\frac{2}{3}}$$

What is the value of n

$$5^n = \frac{1}{125}$$



Line A is shown on the grid.

Find the equation of line A

Line B is parallel to Line A and passes through (9, 20).

Find the equation of line B

Given that x : y = 5 : 11

and $y - x = 90$

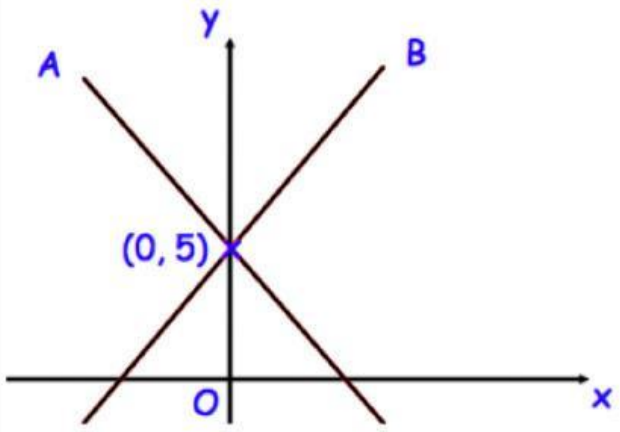
Find the value of 2x + y

An online retailer normally sells clothes at 50% more than the cost price.
In a sale the price of all clothes are reduced until they are only 5% more than the cost price.

By what percentage of the original selling price have the price of the clothes been reduced?

LIVEWORKSHEETS

Given	find
$f(x) = x + 3$ $g(x) = x^2$	$gf(-\frac{1}{2})$



The lines A and B are perpendicular.
Both lines pass through the point (0, 5)
The gradient of line A is $-\frac{3}{4}$

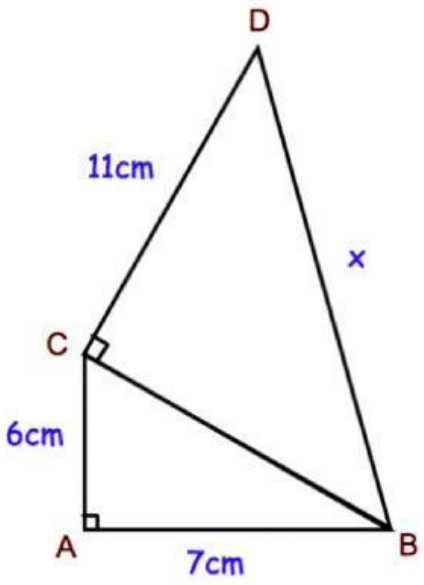
Work out the gradient of line B.

Write down the equation of line B

A particle travels for 2×10^3 seconds, at a speed of 5×10^5 m/s	How far does the particle travel, in kilometres?

LIVEWORKSHEETS

Where does the line y – 2x = 9 cross the x-axis?	Where does the line y – 2x = 9 cross the y-axis?



Find the length of BD

Find the area of triangle BCD.

Given

$$f(x) = \frac{4x+1}{7}$$

find

$$f^{-1}(x)$$

Work out

$$25^{-0.5}$$

LIVEWORKSHEETS

Find the equation of the line that is perpendicular to 3x + y = 8 and passes through the point (1, 5)

Simplify

$(81x^8)^{-\frac{3}{4}}$

Given that

$16^x = 4^{10-x}$

Find the value of x

Solve $\frac{4x}{3} - 7 < 11$

Write down the largest integer that satisfies $\frac{10 - 4x}{7} > 5$

LIVEWORKSHEETS

LIVEWORKSHEETS