

7th January



Corbettmaths

Expand and simplify

$$(x + 2)(x + 5)(2x - 1)$$

The line l_1 has equation $y = 4x + 3$
 The line l_2 has equation $5x + 2y - 9 = 0$

Find the gradient of line l_2 Find the point of intersection of l_1 and l_2

Given that

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

Find the value of x

Which number has no reciprocal?

ABCD is a square, X is a point in the diagonal BD and the perpendicular from B to AX meets AC in Y.

Prove that triangles AXD and AYB are congruent.

