

**7th April**

Corbettmaths

The line L1 has equation  
 $2x + 5y - 1 = 0$

The point A (p, 4) lies on L1.

Find the value of p.

The line L2 is perpendicular to the  
line L1 and passes through the  
point (-2, 4).

Find the equation of L2 and give  
your answer in the form  
 $ax + by + c = 0$

The lines L1 and L2 intersect at the  
point B.

Find the coordinates of B.

Calculate the discriminant of  
 $5x + 10 - 2x^2$

Sketch the curve  $y = 5x + 10 - 2x^2$

Find the coordinates of any points  
the curve crosses the axes.

