

# Co-ordinate Geometry Problems (3)

In each question you will need to use the formula  $y=mx+c$ .

Find the equation of the line perpendicular to the line  $y=2x+3$  and passes through the point  $(4,11)$

Where does the line cross the x and y axis?

Find the equation of the line perpendicular to the line  $y=3x-5$  and passes through the point  $(3,4)$

Where does the line cross the x and y axis?

Find the equation of the line perpendicular to the line  $y=-2x+8$  and passes through the point  $(6,-4)$

Find the equation of the line perpendicular to the line  $y=-3x+5$  and passes through the point  $(6,-13)$

Find the equation of the line perpendicular to the line  $y=\frac{1}{2}x+4$  and passes through the point  $(6,7)$

Find the equation of the line perpendicular to the line  $y=5x-9$  and passes through the point  $(10,41)$



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