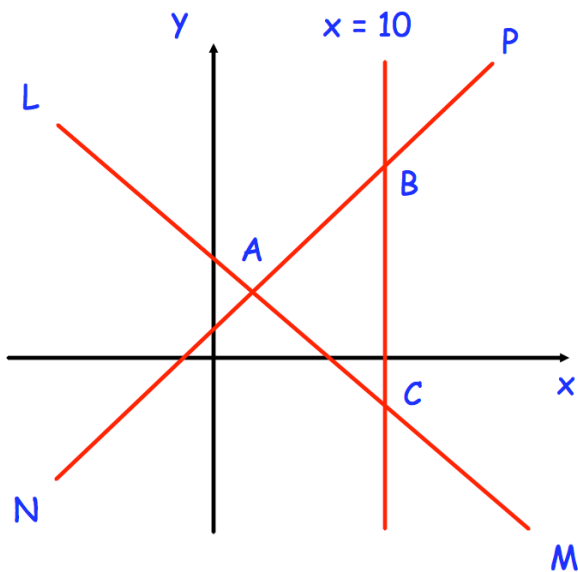


12th October

Corbettmaths

Solve the inequality $\frac{3 - 8x}{9} > -14$



The lines LM and NP are perpendicular
The line NP has equation $2y - 4x = 1$
A is the point with coordinates $(1.4, 3.3)$

Find the area of triangle ABC.

Prove that every term in the sequence $n^2 - 8n + 28$ is positive

A curve has equation $y = 20 + 3x^2 - 5x^3$

Find the values of x for which $y = 20 + 3x^2 - 5x^3$ is an decreasing function.