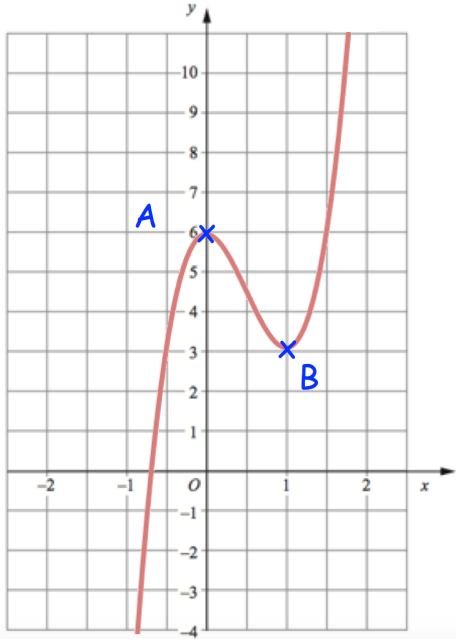


19th February

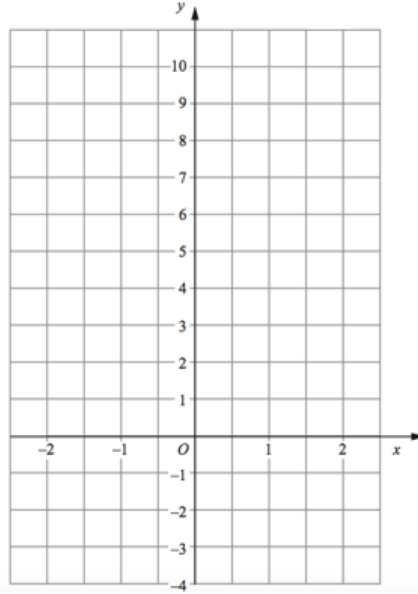


Corbettmaths

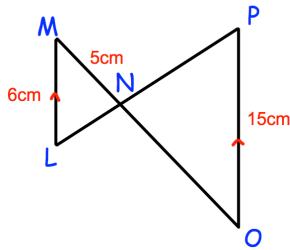
Shown is $y = f(x)$



Sketch $y = f(-x)$



Not drawn accurately



Explain why triangles LMN and NOP are similar

There are 10 socks in a draw.
 5 are white
 3 are black
 2 are red

Heather takes two socks at random from the drawer.

Work out the probability that Heather has picked 2 socks of the same colour.

$$f(x) = 3x - 1$$

$$g(x) = x^2 + 8$$

Find $fg(x)$