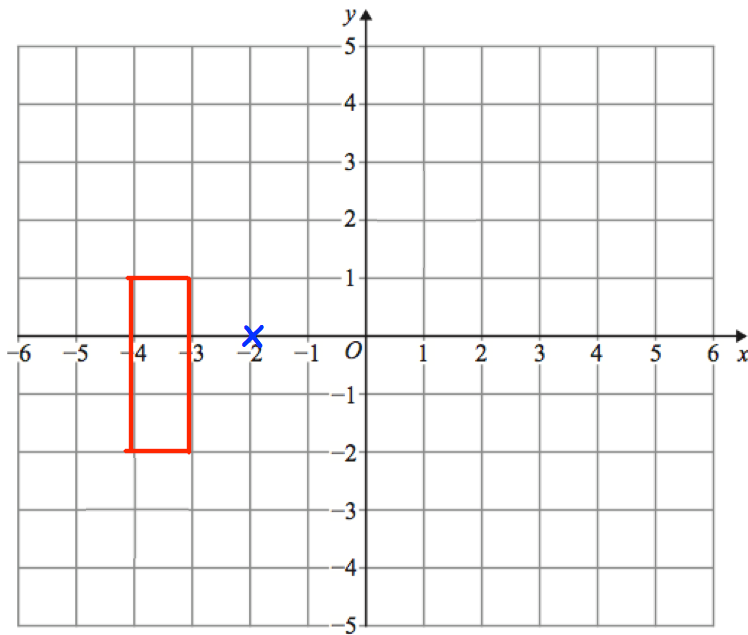
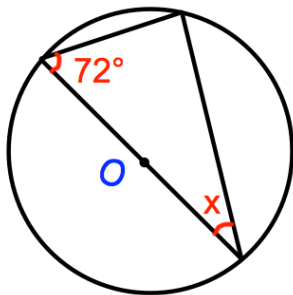


6th January



Enlarge the rectangle by scale factor -2, centre of enlargement (-2, 0)



Find x

Offer 1
40% extra free

Offer 2
40% off the price

Offer 3
Buy one get one half price

Which offer is best value for money?

There are 3 different offers on jars of coffee.
The jar usually contains 500g of coffee.

$$(x + 3)(x + a)(x + 7) = x^3 + 15x^2 + 71x + 105$$

Find a