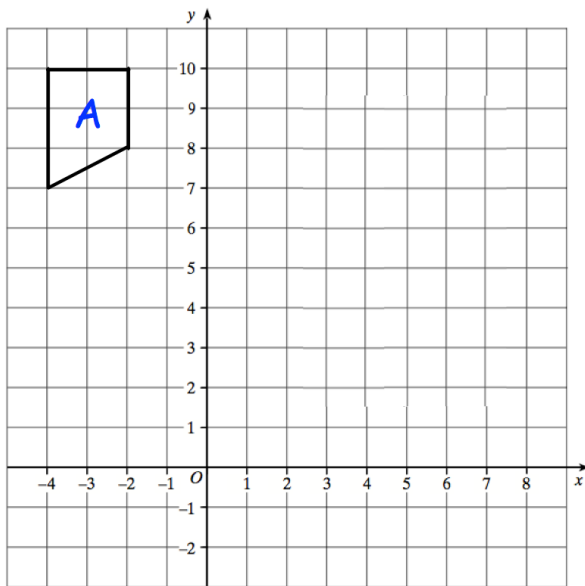


23rd June



Corbettmaths



Enlarge the triangle by scale factor  $-2$ ,  
using centre of enlargement  $(0, 6)$

The time taken,  $t$ , for passengers to be checked-in for a flight is inversely proportional to the square of the number of staff,  $s$ , working.

It takes 30 minutes passengers to be checked-in when 10 staff are working.

Find an equation connecting  $t$  and  $s$ .

Solve using the quadratic formula,  
to 1 decimal place.

$$3x^2 + 11x + 9 = 0$$

A fair six sided dice is rolled three times.

Find the probability of getting exactly two sixes.