

2nd October



Corbettmaths

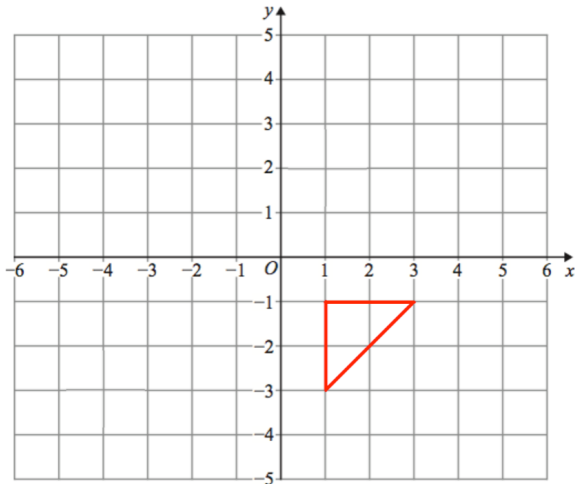
Given

$$f(x) = 5x - 3$$

$$g(x) = 2x + 1$$

Find

$$fg(x)$$



Shown is a triangle with points (1, -1), (3, -1) and (1, -3)

Describe a transformation such that one vertex is invariant.

Describe a transformation such that two vertices are invariant.

Find the smallest angle in a triangle whose sides have lengths 4cm, 7cm and 8cm.

$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\}$

A = prime numbers  
B = factors of 28

(a) Complete the Venn diagram

One of the numbers is selected at random.

(b) Write down  $P(B | A)$

