



Factorise

$$x^2 - 10x + 25$$

$$(x-5)(x-5)$$

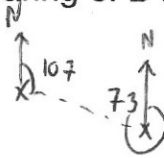
Factorise

$$12x^2 - x - 1$$

$$(4x+1)(3x-1)$$

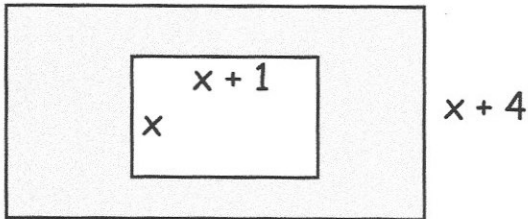
The bearing of A from B is  $107^\circ$

Find the bearing of B from A.



$$360 - 73 = 287^\circ$$

$$2x - 3$$

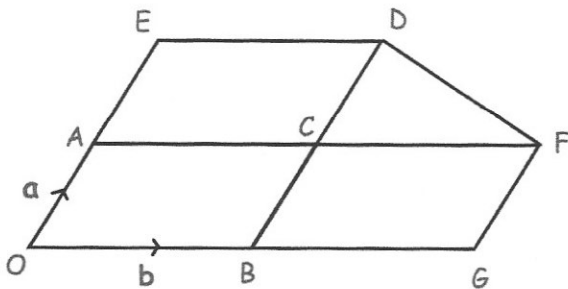


Find an expression for the shaded area.

$$(2x-3)(x+4) - x(x+1)$$

$$2x^2 + 8x - 3x - 12 - x^2 - x$$

$$x^2 + 4x - 12$$



Write down the vector for

$$\vec{OC} \quad \underline{a} + \underline{b}$$

In the diagram OBDE and OAFG are parallelograms.

B is the midpoint of OG.

A is the midpoint of OE.

Write down the vector for

$$\vec{BA} \quad \underline{-b} + \underline{a}$$

or  $\underline{a-b}$