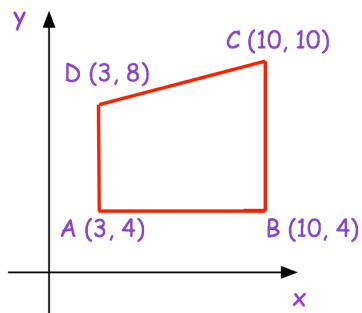


6th July



Corbettmaths



ABCD is reflected in the line $y = x$
Write down the vertices of any invariant points.

A boat sails 9 miles North from A to B.
Then the boat sails 2 miles North-East from B to C.
The boat then sails directly back to C.

How far does the boat sail in total?

Rationalise the denominator of

$$\frac{6}{3 - \sqrt{2}}$$

Solve the simultaneous equations

$$x^2 + 3x - xy = 10$$

$$2x - y = 4$$