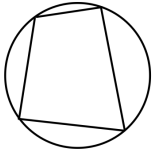


3rd October

Corbettmaths

Ship B is 7km, on a bearing of 022° , from Ship A. Ship C is located on a bearing of 070° from Ship A and on a bearing of 135° from Ship B.

Work out the distance of Ship C from Ship B.



Prove the opposite angles in a cyclic quadrilateral add to 180°

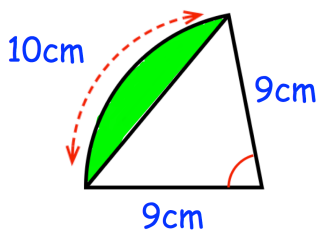
Work out the nth term for the sequence

3, 9, 17, 27, 39 ...

Find the 20th term in the sequence

Expand and simplify

$$(3 + \sqrt{2})^3$$



Calculate the area of the segment