

Spicy Question #23



$$A = (54, 3)$$

$$B = (78, 3)$$

$$C = (54, 39)$$

Triangle ABC is enlarged by scale factor $0.41\bar{6}$, with centre $(-18, 3)$, to give triangle DEF .

Triangle DEF is then rotated 180 degrees about the point $(34, 8)$, to give triangle GHI .

Triangle ABC and triangle GHI overlap.

The shape created by this overlap is a rectangle. Calculate the area of this rectangle.



NO Calculator

SUBMISSION DEADLINE 1/2/23 – 7PM

Video
Solution



All submissions to be emailed to 1stclassmaths@gmail.com

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