Translations



y 10_∫ 2 9-В 8-7 6 5-Α 4-3-2-0 5 ż 4 6 ż ż Do you agree with Rosie? <u>No</u> Explain your answer. the corresponding corners on each sharpe Translate the triangle 6 left. 3 5 Δ 3 2 -4 -3 -2 -1 -5 0 -2

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-3

-4

-5

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These coordinates form a quadrilateral: (-5, 5), (-5, 1), (-1, 4), (-1, 2)

It is translated 3 right and 4 down.

Draw the quadrilateral on the grid in its **new** position.



5



Which triangles are translations of each other?

A, D and E

Explain why the others are not translations.



6



a) Translate the triangle 9 right and 1 down.

b) Tick the correct box for each coordinate.

Point	Inside the new triangle	Outside the new triangle	On the perimeter of the new triangle
(0, 0)		\checkmark	
(4, -5)			\checkmark
(2, -1)			
(6,3)			
(3, -4)			

(-51,-11) (-21, -11) (-40, -40)

This parallelogram has been translated 50 left and 25 down. What were the coordinates of **all four** vertices before it was translated?

(-1, 14) (29, 14) (10, -15) (40, -15)





