Answers

- a) (-2,2) because the x-axis coordinate will change from 3 to -2 and the y-axis coordinate will remain as 2.
- b) (1,2) because the x-axis coordinate will remain as 1, but the y-axis coordinate will change from -1 to 2.
- c) (0,2) because the x-axis coordinate will change from 5 to 0 and the y-axis coordinate will change from -1 to 2.
- 2) The new coordinate position of vertex A is (0, -2).
  - The new coordinate position of vertex B is (3,-2).
  - The new coordinate position of vertex C is (-1, -4).

The new coordinate position of vertex D is (2,-4).



1)

1)

- a) False. The new coordinates of the rectangle would be (-2,2), (-2,-1), (0,2) and (0,-1).
- b) False. The translation could also be described as 3 squares left and 2 squares down, or 2 squares left and 4 squares down, or 5 squares left and 2 squares down.
- c) False. The new coordinate of one of the vertices would be (1,-3) which is still in quadrant 4.
- 2) Children should have written two true statements and one false statement about the shapes on the grid and checked with their partner.









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