

# Answers

## Challenge 1

- a) and b)** Rectangle plotted with vertices at (1,7), (1,4), (6,7) and (6,4)

**c)** (6,4)
- a)** (7,3) and (3,1) plotted

**b)** A right-angled triangle drawn

**c)** The third vertex could be: (0,7), (1,5), (2,3), (3,3), (4,4), (5,7), (6,0), (6,5), (7,1) or (8,1)

## Challenge 2

- a) and b)** Square plotted with vertices at (3,8), (1,6), (5,6) and (3,4)

**c)** (3,4)
- a) and b)** Kite plotted with vertices at (6,6), (4,4), (8,4) and (6,3) or (6,6), (4,4), (8,4) and (6,2) or (6,6), (4,4), (8,4) and (6,1) or (6,6), (4,4), (8,4) and (6,0)

**c)** (6,3) or (6,2) or (6,1) or (6,0)

## Challenge 3

- (15,10)
- (9,9) (accept (-1,4))
- a)** (5,5)      **b)** (5,5)
- No, Daria is not correct. The  $x$ -axis displays lines that are vertical. If they are all the same the line would be vertical.