



- Plot the points on the grid above using the coordinates below.
- Using a ruler, join them up as you go to make 6 separate shapes.

Shape A

- (-6, 2)
- (-6, 5)
- (-1, 6)
- (-6, 2)

Shape C

- (3, 3)
- (5, 6)
- (7, 3)
- (5, 3)
- (3, 3)

Shape E

- (9, -5)
- (4, -6)
- (4, -3)
- (9, 1)
- (9, -5)

Shape B

- (-8, 2)
- (-6, 0)
- (-8, 0)
- (-8, -1)
- (-10, -1)
- (-10, 0)
- (-8, 2)

Shape D

- (3, 1)
- (1, 0)
- (-1, 1)
- (-3, -2)
- (-1, -1)
- (1, -2)
- (3, 1)

Shape F

- (-6, -4)
- (-4, -6)
- (-2, -4)
- (-2, -3)
- (-4, -3)
- (-4, -4)
- (-6, -4)



"The area of shape A = $\frac{1}{3}$ of the area of shape E" -Is this true?

What other mathematical relationships can you find between the shapes?