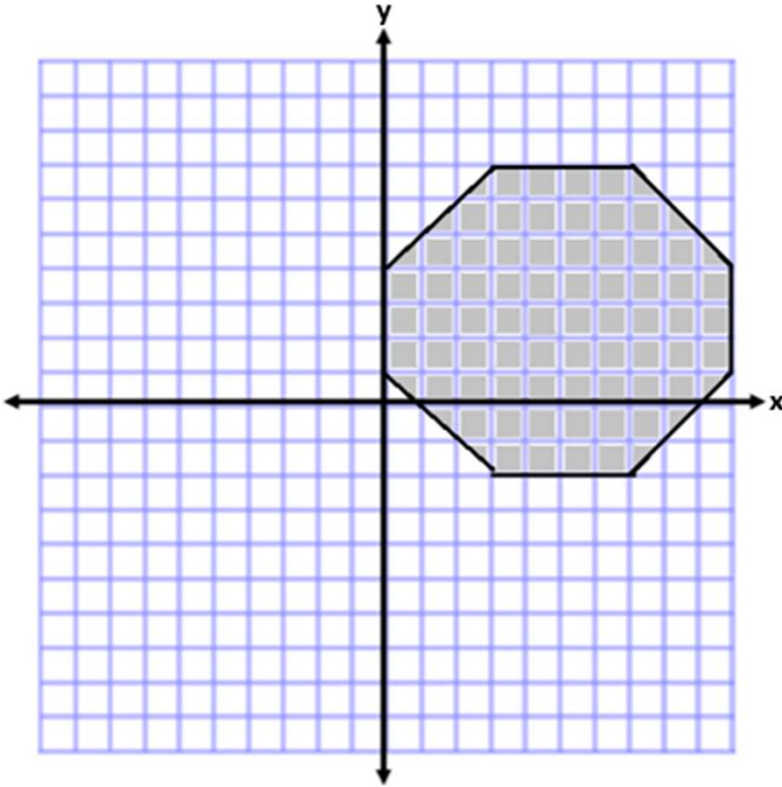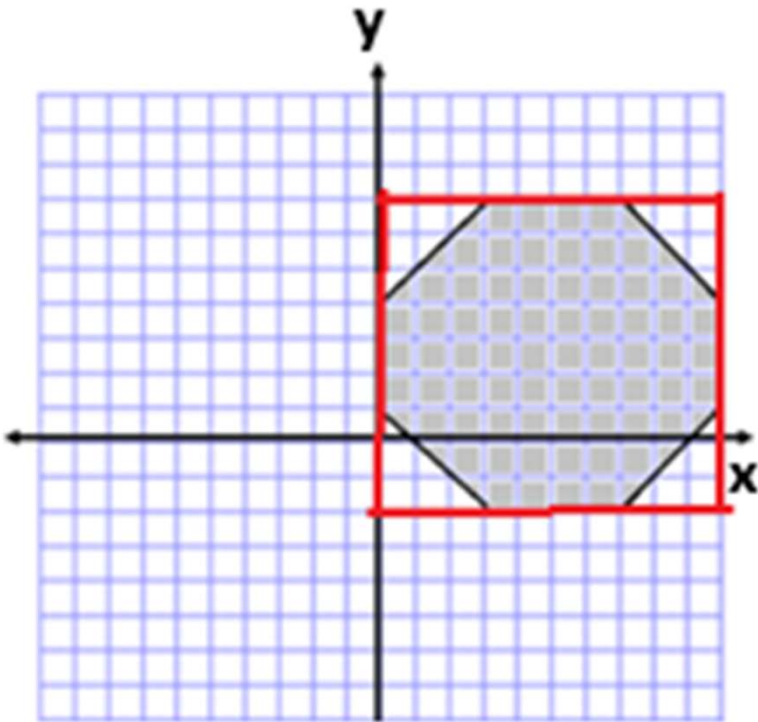# Geometry Worksheets
(Area of Polygons in the Coordinate Plane)

1. Determine the area of the following shape.

Geometry Worksheets
(Area of Polygons in the Coordinate Plane)

1. Determine the area of the following shape.

Area of Rectangle

$A = lw$

$A = (10 \text{ units})(9 \text{ units})$

$A = 90 \text{ units}^2$

Area of Triangle

$A = \dfrac{1}{2}bh$

$A = \dfrac{1}{2}(3 \text{ units})(3 \text{ units})$

$A = 4.5 \text{ units}^2$

4 triangles with equivalent base and height

$4(4.5 \text{ units}^2) = 18 \text{ units}^2$

$\text{Area} = 90 \text{ units}^2 - 18 \text{ units}^2$

$\text{Area} = 72 \text{ units}^2$