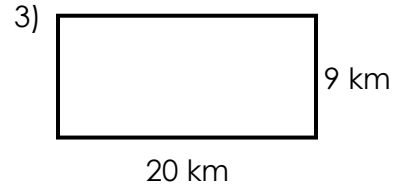
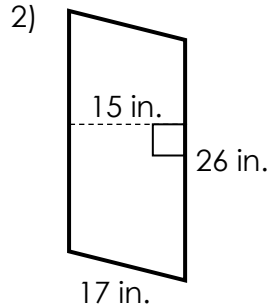
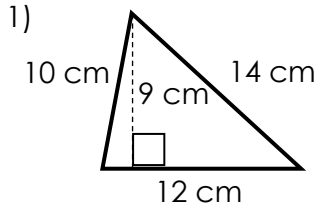


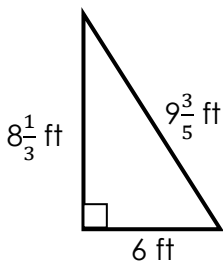
Area of Polygons

Find the area of each shape below. Make sure you show your work by writing the formula, substituting the correct values in and working it out. Answer should have correct units!



Answer each question. Make sure you use the CORRECT units!

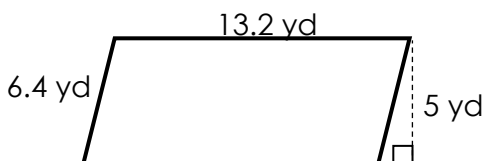
- 4) Sean competes in sailing competitions. He needs to create a new canvas sail since his old one ripped. The dimensions of his sail are shown below. How many square feet of canvas will Sean need to purchase?



- 5) SSCMS is putting new tile in the rotunda. They plan on covering the center square with red tile. How many square meters of red tile will SSCMS need to order?



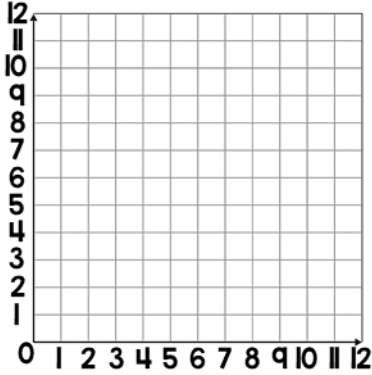
- 6) Mr. Vance needs to cover his new garden with soil so that he can plant his vegetables #freshveggies. An outline of his garden is shown below. How many square yards of soil will Mr. Vance need?



- 7) Once Mr. Vance figured out how much soil he needed, he headed to Home Depot. Each bag of soil will cover 4 square yards. How many bags of soil will Mr. Vance need to purchase?

Graph each point in the coordinate plane and connect the points in order to form a shape. Identify the shape. Write the area formula for the shape. Find the area of each shape. Don't forget your units!

- 8) A (3, 6) B (3, 11)
C (12, 11) D (12, 6)

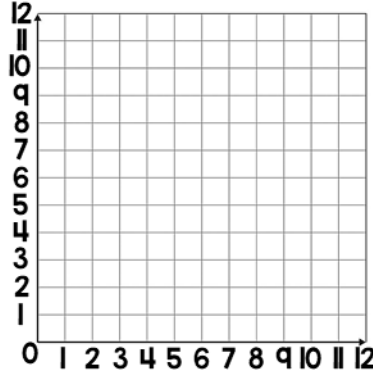


Shape:

Formula:

Area (feet):

- 9) W (3, 4) X (1, 10)
Y (10, 10) Z (12, 4)

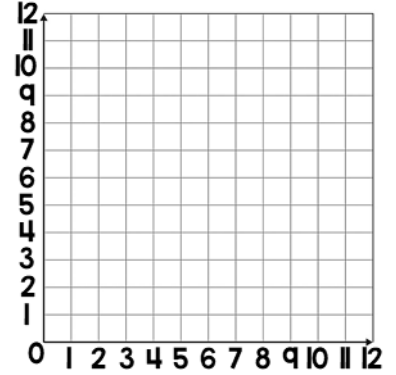


Shape:

Formula:

Area (centimeters):

- 10) Q (2, 8) R (2, 1) S (11, 1)

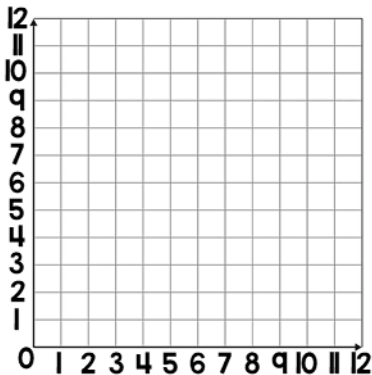


Shape:

Formula:

Area (yards):

- 11) F (3, 3) G (7, 10) H (9, 3)

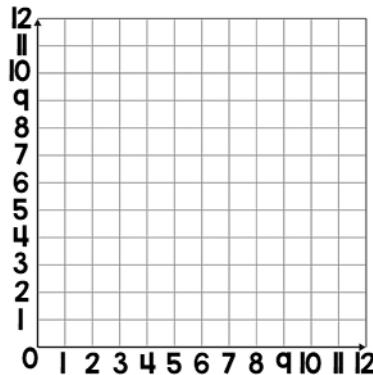


Shape:

Formula:

Area (millimeters):

- 12) T (0, 7) U (2, 10)
V (8, 10) W (7, 7)

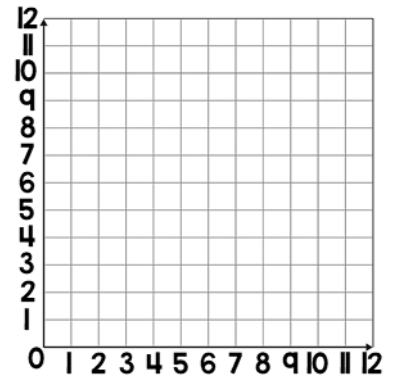


Shape:

Formula:

Area (miles):

- 13) L (6, 1) M (6, 11)
N (10, 7) O (10, 1)



Shape:

Formula:

Area (inches):

Name: _____ Date: _____ Period: _____