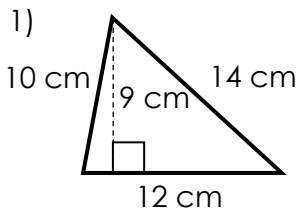


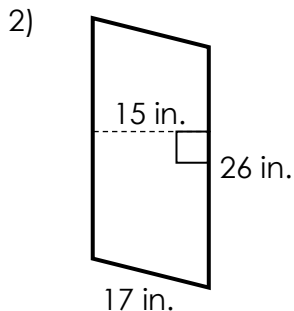
# Area & Perimeter of Polygons

**Write the area formula for each shape. Substitute the correct values in. Then, find the area and perimeter of each shape. Answers should have correct units!**



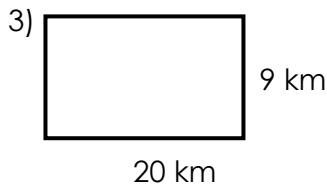
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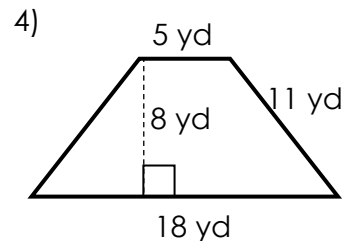
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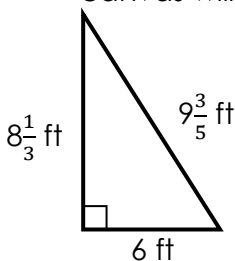


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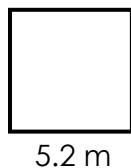
P =

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

- 5) 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?

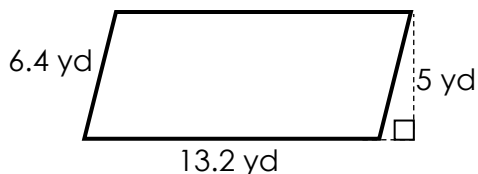


- 6) SSCMS is putting new tile in the rotunda up front. They plan on covering the center square with red tile. How many square meters of red tile will SSCMS need to order?



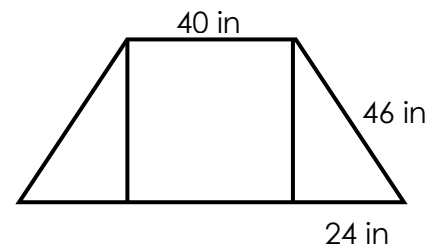
- 7) Mr. Vance planted a vegetable garden, shown below. Rabbits keep trying to eat his delicious veggies so he has decided to build a fence around the garden. Fencing costs \$5.25 per yard. How much did Mr. Vance spend on fencing??

- 8) Mr. Vance decided to start over after the rabbit fiasco. He needs to cover his new garden with fresh soil. Home Depot sells bags of soil that each cover 4 square yards. How many bags of soil will Mr. Vance need to purchase?



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Use the following information to answer #9-10:** Meah must create a display for her science fair project. She purchased a tri-fold board that is made of a square surrounded by identical triangular flaps on either side. When unfolded, the board takes the shape of a trapezoid.



9) How many square inches of poster board does Meah have to work with?

10) Meah purchased a roll of ribbon to decorate the edges of the board. The roll is 250 inches long. Does Meah have enough ribbon? Explain.

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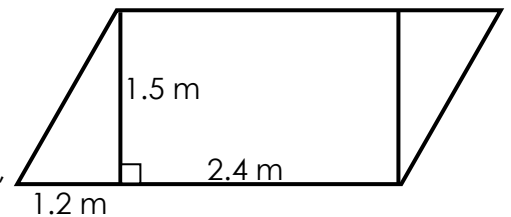


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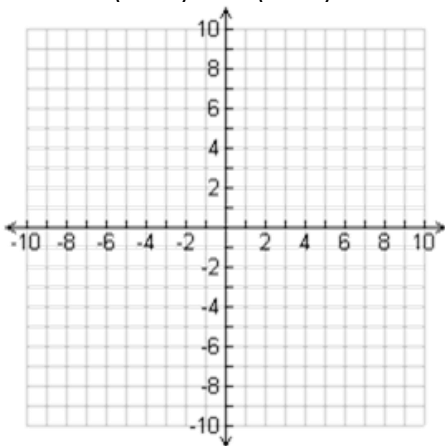
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11) A fancy restaurant uses rectangular tables. Each table has triangular flaps that can be raised on opposite sides to seat more people if needed. The fancy restaurant is looking to purchase new tablecloths that will cover the table with or without the extra seating. If fabric costs \$3.40 per square meter, how much will each tablecloth cost?

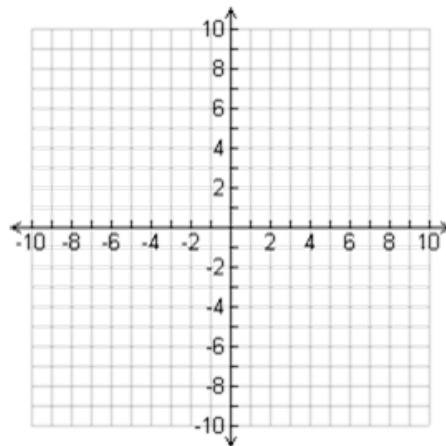


**Graph each point in the coordinate plane and connect the points in order to form a shape. Identify the shape. Then, find the area of each shape. Don't forget your units!**

12) W (5, 5) X (3, 1)  
Y (-5, 1) Z (-3, 5)



13) A (2, 8) B (6, 0) C (-6, 0)



14) L (-8, 7) M (1, 7)  
N (8, -3) O (-8, -3)

