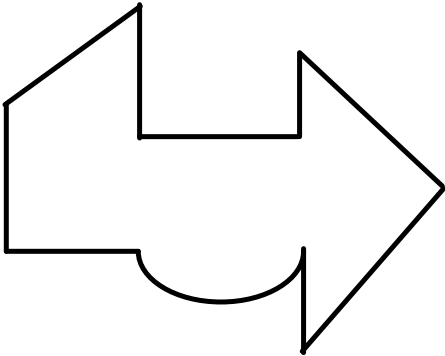




Today: Area of Composite figures

Warm-up: What shapes are in the diagram?



Area of Composite Figures

What is a composite figure?

A figure made up of 2 or more regular shapes.

Finding Area of a Composite Figure

Edit Reset

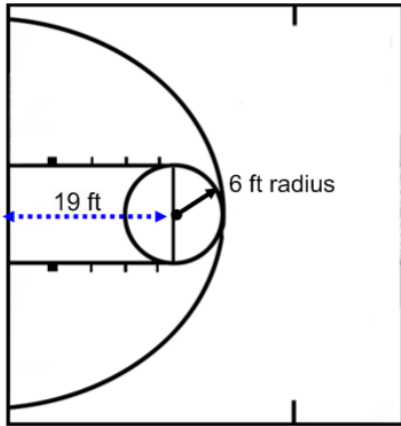
?

- 1 **Divide the shape into 2 or more simple shapes.**
- 2 **Find the area of each shape.**
- 3 **Add or subtract the areas as necessary.**
-
-

Ex. 1) Find the area of each composite figure.

a) the key on a basketball court.

1. divide the figure into regular shapes. Identify the formulas needed.

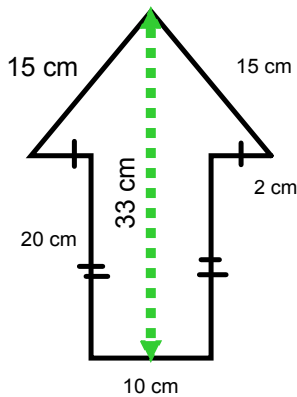


2. Find the missing measurements

3. Calculate the areas and add them together.

b) Find the area. Round to the nearest cm.

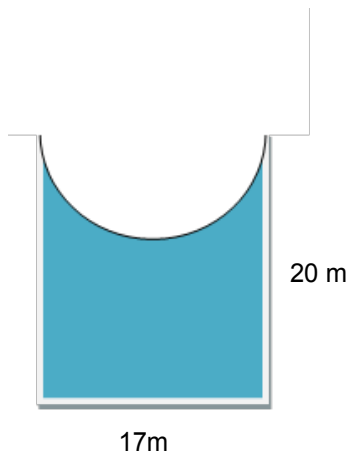
1. divide the figure into regular shapes. Identify the formulas needed.



2. Find the missing measurements

3. Calculate the areas and add them together.

c)



1. divide the figure into regular shapes. Identify the formulas needed.

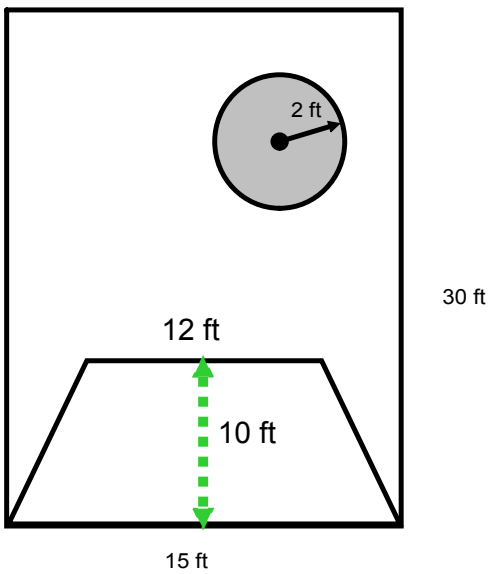
2. Find the missing measurements

3. Calculate the areas and **SUBTRACT** the cut out area

d) Mrs. V. wants to sod her lawn.

i) Determine how much sod she needs if one roll covers 1 m. Don't forget that she has a circular fire pit and a trapezoidal deck.

1. divide the figure into regular shapes. Identify the formulas needed.



2. Find the missing measurements

3. Calculate the areas and add or subtract as necessary.

4. determine the # of rolls required.

ii) How much will it cost if one roll is \$2.50?

practice: pg 12-14 # 1-3ac, 4, 5c