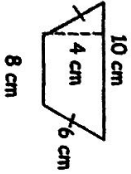
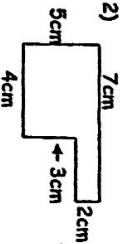


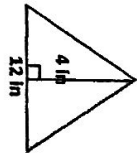
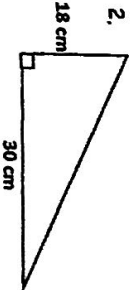
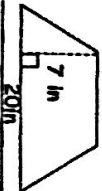
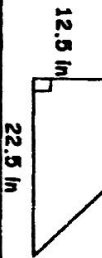


Mini-Lesson #1 - Two-Dimensional Geometry (Unit 10 - Math 7 PLUS)

Some Two-Dimensional Shapes	<ul style="list-style-type: none"> Draw examples and put what you know about the shapes below.
Rectangle	Square
Parallelogram	Rhombus
Trapezoid	Triangle
What is perimeter?	<p>- To find perimeter: Add up lengths of ALL sides of figure</p> <p>1) </p> <p>2) </p>
What is AREA?	<p>- What is the area of the rectangle?</p> <p>- How would you describe area?</p>

Area of Rectangles and Squares:	<p>1) Opposite sides are parallel to each other</p> <p>2) Height and base are perpendicular</p> <p>**Area of Rectangles and Squares:</p> $A = bh$ (base * height) OR $A = lw$ (length * width)
<p>STEPS TO FOLLOW</p> <ul style="list-style-type: none"> Write formula Substitute numbers for variables Answer 	<p>Ex: 1) </p> <p>2) </p>
Area of Triangles:	<ul style="list-style-type: none"> base (b) and height (h) are perpendicular
<p>STEPS TO FOLLOW</p> <ul style="list-style-type: none"> Write formula Substitute numbers for variables Answer 	<p>1. </p> <p>2. </p> <p>**Area of Triangles = $\frac{bh}{2}$</p>
Area of Trapezoids	<ul style="list-style-type: none"> base (b) and height (h) are perpendicular
<p>Area of a Trapezoid = $\frac{1}{2}(b + b)h$</p> <p>1. </p> <p>2. </p>	<p>base height</p> <p>base height</p>

Circle Information

Diameter (d) length of a line through the center of a circle that has both endpoints on the circle



Ex: $P(x) = 2.14x + \frac{12}{7}$
 P is an irrational number.

Radius (r) length of a line from the center of a circle to an endpoint in the circle (half the diameter)

Circumference:

- What is circumference?
- Find the circumference for the given circles

Formula: $C = 2\pi r$ $C = \pi d$

- 1) 2) A circle with the radius of 9.7 m.

- 3) 4) A circle with the diameter of 27 m.

Area of Circles:

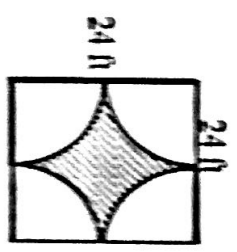
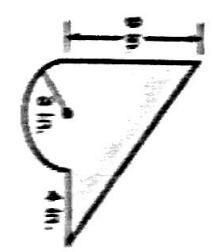
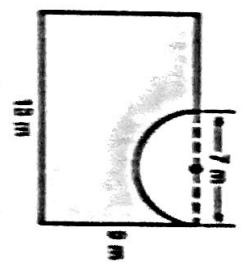
Area of circle: $A = \pi r^2$

- 1) 2)

- 3) Find the area of a circle with a radius of 7.2 feet.
- 4) Find the area of a circle with a diameter of 11 in. Use $\frac{22}{7}$ for π

- STEPS TO FOLLOW**
- Write formula
 - Substitute numbers for variables
 - Answer

Find the Area of the Shaded Regions.



Find the Area and Perimeter.

