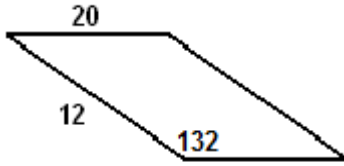


Show all work for full credit!!!

Note: You may use decimals on the problems that do not specifically say EXACT form.

- 1.) Find the area and perimeter of the parallelogram.

[5 Points]

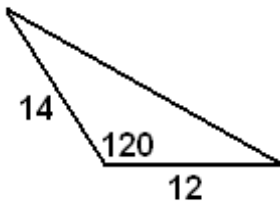


Area = _____

Perimeter = _____

- 2.) Find the area and perimeter of the triangle below. [EXACT Form!!]
NO DECIMALS

[8 Points]

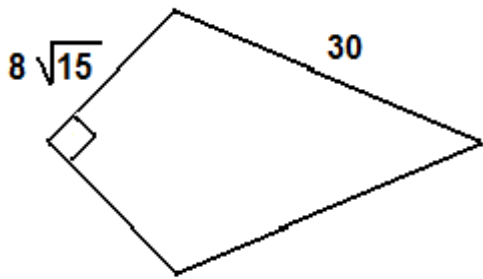


Area = _____

Perimeter = _____

3.) Find the area and perimeter of the kite below. [EXACT Form!!]
NO DECIMALS

[15 Points]

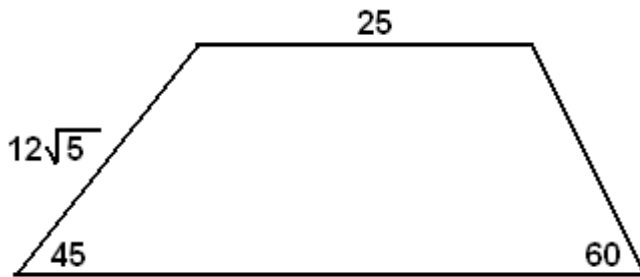


Area = _____

Perimeter = _____

- 4.) Find the area and perimeter of the trapezoid. [EXACT Form!!]
NO DECIMALS

[15 Points]

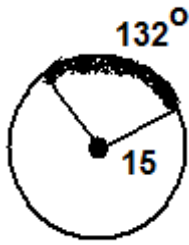


Area = _____

Perimeter = _____

- 5.) Find the length of the arc.

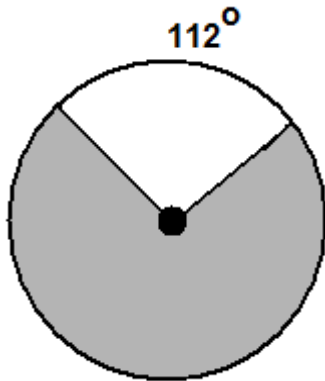
[4 Points]



Arc Length = _____

- 6.) Given the shaded area below is 730, find the length of the radius of the circle.

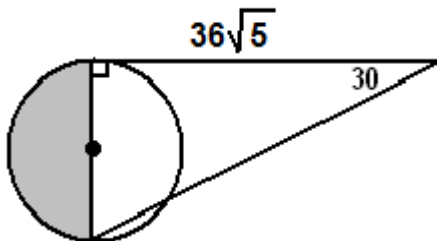
[4 Points]



Radius = _____

- 7.) Find the shaded area in the figure below. [EXACT Form!!]
NO DECIMALS

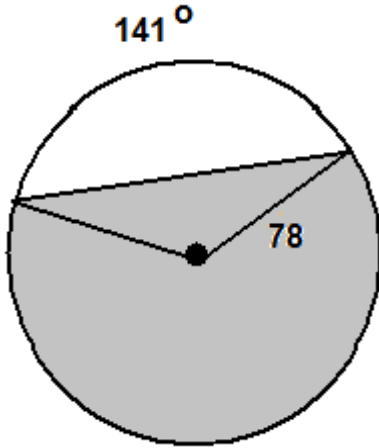
[6 Points]



Shaded Area = _____

8.) Find the area of the shaded region below.

[10 Points]

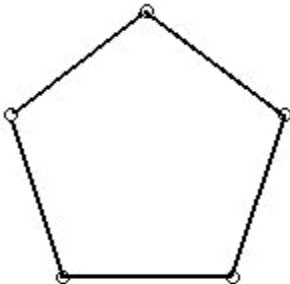


Shaded Area = _____

9.) A dog is tied outside so that its leash is anchored to the corner of a shed in the shape of a regular pentagon with side length 24 feet. On how much area can the dog roam if its leash is 40 feet long?

[10 Points]

Show a picture representation as well for full credit!



- 10.) A triangle has side lengths of 8, 14, and 11.
Classify this triangle as acute, right, or obtuse.

[3 Points]

You must show convincing work for full credit

Classification: _____

Bonus.

[5 Points]

Find the **EXACT** shaded area of the figure below.

[It involves a rectangle with three congruent circles fitting inside perfectly.]

NO DECIMALS

Area of Overall Rectangle = 1500

