Area and Perimeter Practice   Name _____

1. Isosceles Triangle

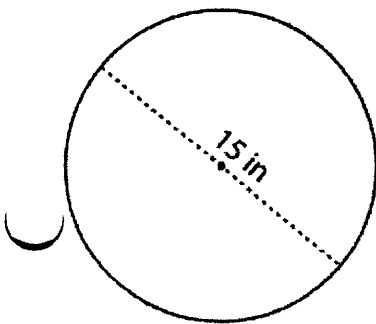|	Area	Perimeter
F:		F:
S:		S:
S:		S:

30.1 in.

29.5 in.

12 in.

30.1 in.
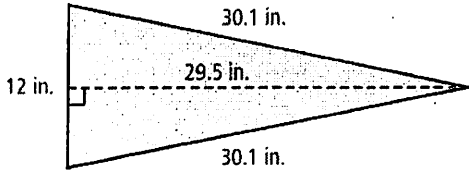
2. Circle

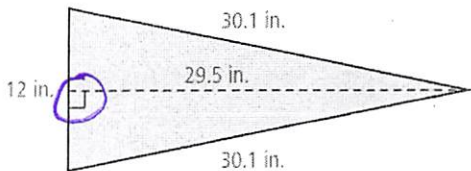|	Area In Terms of π	Circumference
F:		F:
S:		S:
S:		S:

15 in

Area To the Nearest Hundredth

S:

3. The Circumference of the top of a jelly donut is 8π cm. Find the **radius** of the jelly donut **and then** find the **area** of the top of the jelly donut.

Area and Perimeter Practice   Name ___Key___

1. Isosceles Triangle

Area

Perimeter

30.1 in.

29.5 in.

12 in.

30.1 in.

F: $A = \dfrac{b \cdot h}{2}$

F: $P = $ Add 3 Sides

S: $A = \dfrac{12 \cdot 29.5}{2}$

S: $P = 12 + 30.1 + 30.1$

S: $\boxed{A = 177 \ in^2}$

S: $\boxed{P = 72.2 \ in}$

2. Circle
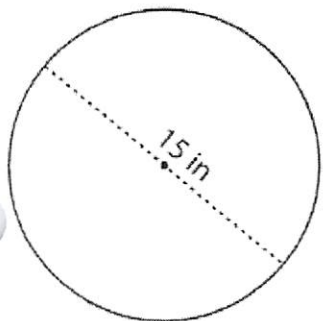
Area In Terms of π

Circumference

15 in

$r = 7.5$ in

$d = 15$ in

F: $A = \pi \cdot r^2$

F: $C = \pi \cdot d$

S: $A = \pi \cdot (7.5)^2$

S: $C = \pi \cdot 15$

S: $\boxed{A = 56.25\pi \ in^2}$

S: $\boxed{C = 15\pi \ in}$

Area To the Nearest Hundredth

or

S: $\boxed{A = 176.71 \ in^2}$

$\boxed{C = 47.12 \ in}$

3. The <u>Circumference</u> of the top of a jelly donut is 8π cm. Find the **radius** of the jelly donut **and then** find the **area** of the top of the jelly donut.

$C = 2\pi \cdot r$

$\dfrac{8\pi}{2} = \dfrac{2\pi r}{2}$

$\boxed{4 \, cm = r}$

$A = \pi \cdot r^2$

$A = \pi \cdot 4^2$

$\boxed{A = 16\pi \ cm^2 \quad or \quad 50.27 \ cm^2}$