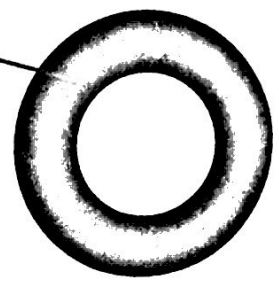
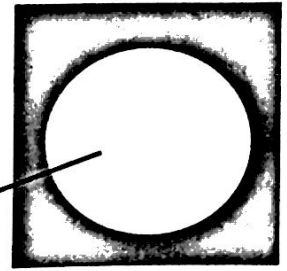


What would be the area of this white circle if they messed up the logo and forgot to print the red letters? The circumference of the circle is ~~110cm~~ 110π cm.

What is the area of this blue donut shape if the area of the square is ~~196cm²~~ 196cm^2



$72\pi = 49\pi$

~~196cm²~~ $49\pi\text{cm}^2 =$ ~~196cm²~~

$95 = 58.9\text{cm}^2$

Handwritten: 14cm , 8cm



The red lettering has a composite area of 34cm^2 . The white border has a composite area of 14cm^2 .

Find the probability that if you throw a dart at the Cardinal's 8 cm by 9 cm logo that it will...

- Land on the red area?

$$\frac{34\text{cm}^2}{72\text{cm}^2} = 47.2\%$$

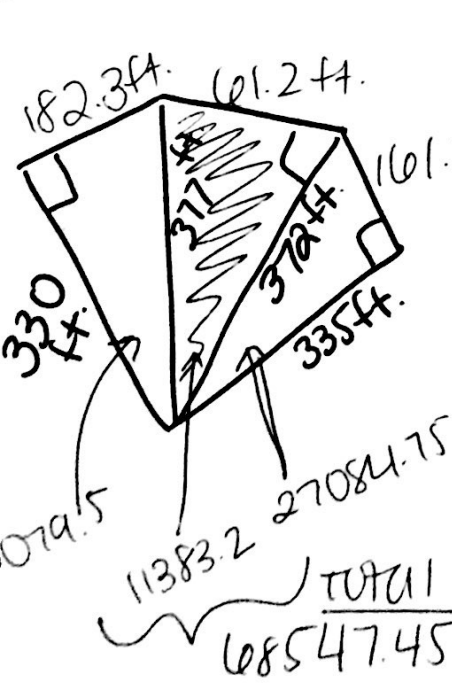
- Land on the blue area?

$$\frac{34\text{cm}^2}{72\text{cm}^2} = \frac{1}{3} = 33.33\%$$

Using right triangles and the dimensions of the field, I created the following sketch to resemble U.S. Cellular. Using these dimensions, find the area of the field. Find the probability that a ball hit in the air lands in between left-center and right-center.

Handwritten: 68547.45 16.6%

Dimensions: Left field: 330 feet; left-center: 377 feet; right-center: 372 feet; right field: 335 feet



$$330^2 + x^2 = 377^2$$

$$x = 182.3$$

$$372^2 + x^2 = 377^2$$

$$335^2 + x^2 = 372^2$$

$$\begin{array}{r} -335^2 \\ \hline x = 161.7 \end{array}$$

$$\frac{113832}{68547.45} = .166$$

Handwritten: 16.6%

Geometry – Test Review

Name: Kelly

Sec. 9.3, 9.5, 9.6- Area

Period: 2 6 8

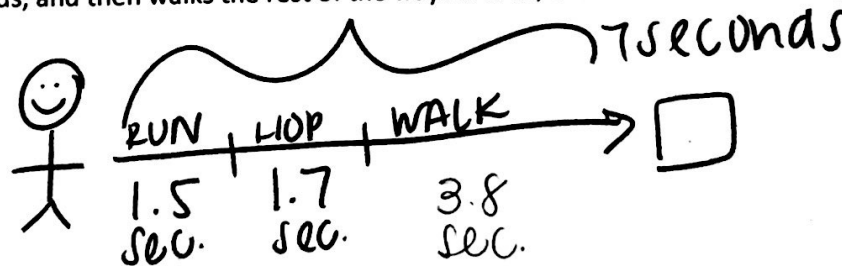
Date: 4/4/17

The infield of a baseball diamond has the dimensions of 90 ft by 90 ft. A softball diamond is smaller with an infield of only 60 ft. by 60 ft.

Side Lengths of Baseball Infield= 90ft	Perimeter of Baseball Infield= $90 \times 4 = 360 \text{ft.}$	Area of Baseball Infield= $90 \times 90 = 8100 \text{ft}^2$
Side Lengths of Softball Infield= 60ft	Perimeter of Softball Infield= $60 \times 4 = 240 \text{ft.}$	Area of Softball Infield= $60 \times 60 = 3600 \text{ft}^2$
Simplified Ratio of Side Lengths= 3:2	Simplified Ratio of Perimeters= 3:2	Simplified Ratio of Areas= 9:4

★ RATIO SQUARED ★

Dexter Fowler is running down the first base line, but 1.5 seconds on his way to the base, he twists his ankle. He hops towards first base for 1.7 seconds, and then walks the rest of the way. In total, it took him 7 seconds to get to first base.



You are the fan at the game, but are distracted by your delicious hot dog. What is the probability that when you look up you see Fowler walking? Running or hopping?

$$\frac{3.8}{7} = 54.3\%$$

$$\frac{1.5 + 1.7}{7} = \frac{3.2}{7} = 45.7\%$$

A Ball is hit 160 ft., but you do not know which direction. What is the probability that it is in play? (Hint: What shape are we talking about? How do we find probability in that shape?)

$$\frac{90^\circ}{360^\circ} = \frac{1}{4}$$

