

PRECALCULUS

Homework #_____: Arc Length & Sector Area Practice

Don't forget: Pizzas sizes are measured by their diameters!

1. A 10-inch pizza is cut into 8 slices. Find the following.
 - a. Angle measurement of each slice in degrees
 - b. Angle measurement of each slice in radians
 - c. Area of each slice
 - d. Length of edge of crust of each slice

2. A 12-inch pizza is cut into 10 slices. Find the following.
 - a. Angle measurement of each slice in degrees
 - b. Angle measurement of each slice in radians
 - c. Area of each slice
 - d. Length of edge of crust of each slice

continued on reverse...

3. A 15-inch pizza is cut into 12 slices. Find the following.
- Angle measurement of each slice in degrees
 - Angle measurement of each slice in radians
 - Area of each slice
 - Length of edge of crust of each slice
4. Assuming that the cost of one slice from any of the above 3 pizzas is the same (and that they are the same thickness, quality, toppings, etc), which one is the best deal?
5. Jessica loves crust. Which option gives her the longest piece of crust per slice?



Bulking up for winter would be way easier if I could get pizza. Or pizza rolls. Or... pizza... on a bagel. A *pizza bagel*. Then I could have pizza any time.