

Algebra Questions Set 2: 1/4/13 www.askmath.weebly.com

1. A square's length is increased by 2 in. The width is decreased by 5 in. What percent did the area change?
2. A cylinder of radius 6 ft and height 4 ft is cut in half laying on the curved side, then cut in half again on the flat side. What is the *surface area* of the object after it is finished cut.
3. Mike takes 20 min to get to the store. Mike Jr. takes 34 min to get to the store. If Mike Jr. takes 3 hr to get to Walmart, how long will it take Mike to get to Walmart?
4. A sphere is being painted with exactly 600 in^3 of red paint. What is the radius of the sphere in yards?
5. A circular disk has a diameter of 13 in. If Ross were to stack the disks on top of each other, how many disks will be on the stack if he wants them to have a volume of 1646 in^3 assuming the disks have a height of .26 in?