

Algebra Questions Set 1: 1/3/12 www.askmath.weebly.com

1. Ima Quick goes to 2 grocery stores. Grocery A sells apples for \$4.00. The average cost of the apples from the 2 stores is \$7.25. How much do B sell their apples for?
2. Tom and Rudy are twins. They have a sister named Sandy who is 3 times as old as Tom. The product of the 3 sibling's ages is 648. How old are they?
3. The area of circle A has a radius r is equal the circumference of circle B whose radius is 5 more than A 's. What is the radius of A ?
4. Two runners A and B are in a race. A is running 12 mph and B is running 16mph. Both are at constant speed. However since A is slower, the judges allow him to be 15 miles ahead of B . How long (in minutes) will B catch up with A ?
5. Drew drops a ball 9 ft from the ground. Each time the ball bounces up, it goes up 40% of the distance it when it went down. What is the total distance the ball traveled in the fourth bounce?