

## Changing Dimensions: Area

1. If the linear dimensions of my garden double, how will the area change?

- a. area will double
- b. area will quadruple
- c. area will be twice as large

2. I am planning on enlarging my garage. The scale factor between the linear dimensions of my current garage and my enlarged garage is 3. How much larger will the area of my new garage floor be?

- a. 3 times larger
- b. 9 times larger
- c. 6 times larger
- d. twice as large

3. The linear dimensions of a blanket are 4 feet by 2 feet. If Avery wants to double the length of each side of the blanket, what area will the new blanket cover?

- a. 16 ft. sq.
- b. 24 ft. sq.
- c. 32 ft. sq.
- d. 8 ft. sq.