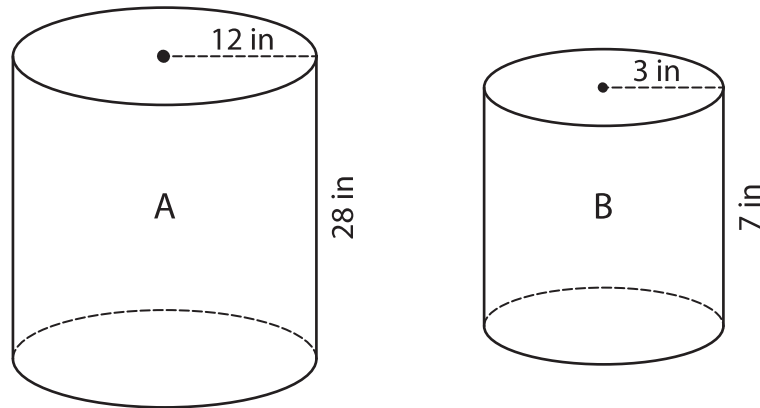


Name : \_\_\_\_\_

## Ratio of Surface Areas and Volumes

Sheet 1



1) What is the scale factor of figure A to figure B?

\_\_\_\_\_

2) Determine the surface areas of figures A and B.

\_\_\_\_\_

3) What is the ratio of surface areas of figure A to figure B?

\_\_\_\_\_

4) Find the volumes of figure A and figure B.

\_\_\_\_\_

5) What is the ratio of volumes of figure A to figure B?

\_\_\_\_\_

6) Express the relationship between scale factor and the ratio of surface areas.

\_\_\_\_\_

7) What is the relation between scale factor and the ratio of volumes?

\_\_\_\_\_