| Name: | | | |
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Multiple Choice

Sheet 1

1) Find the scale factor of two similar cylinders whose surface areas are in the ratio 16:81.

- a) 9:4
- b) 4:9
- c) 64:729
- d) 16:81

2) (9, 18) is the dilated point of (3, k). Determine the value of k, when the center of dilation is at the origin.

a) –6

- **PREVIEW**
- d) 6

3) If the lengths of a geshape will be multipl

a) y^2

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d) 2y

then the area of the new

4) Find the dilated coor factor is 5.

a) (-10, -25)

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origin and the scale

d)

5) The volumes of similar surface areas.

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rmine the ratio of their

(25, 10)

- a) 49:4
- b) 2:7

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- c) 8:343
- d) 4:49

6) G and H are similar triangles. The area of G is 64 times larger than the area of H. How much larger are the dimensions of G?

- a) 8 times
- b) 16 times
- c) 4 times
- d) 64 times