Name:			
Name:			

Multiple Choice

Sheet 2

- 1) C and D are similar cones. The volume of D is 729 times larger than the volume of C. How much larger are the dimensions of D?
 - 27 times a)
- b) 81 times
- c) 18 times
- d) 9 times
- The perimeters of similar rectangles are 300 yards and 120 yards. Determine the ratio of their 2)
 - 5:2 a)

PREVIEW

d) 4:25

ne origin and the scale

- Find the dilated coor 3) factor is 7.
 - a) (7, 21)
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- (-21, -7)

- Find the scale factor 4)
 - a) 4:0.5

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d)

0.5:8

io 64 : 0.125.

- (16, 32) is the dilated the origin.
 - a)

5)

b) 2 c)

-2

center of dilation is at

- If the lengths of a geometrical shape are multiplied by a scale factor of 3k, then the volume of the 6) new shape will be multiplied by a scale factor of
 - $3k^3$ a)

b) 3k

 $9k^2$ c)

 $27k^3$