Name:	
i varric .	

Multiple Choice

Sheet 5

- 1) (4x, 14) is the dilated point of (6, 7). Determine the value of x, when the center of dilation is at the origin.
 - a) 12

b) 6

2

- d) 3
- P and Q are similar prisms. The volume of Q is 27 times larger than the volume of P. How much larger 2) are the dimensions of O?
 - 27 times a)

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d) 81 times

et. Determine the ratio

27:8

- The surface areas of s 3) of their volumes.
 - a) 8:27
- If the lengths of a ge 4) new shape will be mi
 - 16a² a)
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d)

, then the volume of the

 $4a^3$

Find the scale factor 5)

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atio 8:7.

- a) 49:64
- b) 7:8
- c) 64:49
- d) 8:7
- Find the dilated coordinates of (5, -7), when the center of dilation is at the origin and the scale 6) factor is 5.
 - a) (-35, 25)
- b) (25, 35)
- c) (25, -35)
- d) (35, 25)