Name:			
Name:			

Multiple Choice

Sheet 3

- 1) Find the dilated coordinates of (–4, 1), when the center of dilation is at the origin and the scale factor is 6.
 - a) (–24, 6)
- b) (-4, -1)
- c) (–24, –6)
- d) (6, -24)
- 2) If the lengths of a geometrical shape are multiplied by a scale factor of k^2 , then the perimeter of the new shape will be multiplied by a scale factor of
 - a) k^6

PREVIEW

d) k^5

- 3) (10, y) is the dilated ρ origin.
 - a) 5

4)

5)

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iter of dilation is at the

15

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d)

a) 2 times

their perimeters.

M and L are similar q

How much larger are

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d)

η the perimeter of Μ.

The areas of similar rl www.mathworkshee

≥s. Determine the ratio of

64 times

- a) 9:4
- b) 16:81
- c) 4:9
- d) 81:16
- 6) Find the scale factor of two similar cylinders whose volumes are in the ratio 64:729.
 - a) 8:27
- b) 9:4
- c) 4:9
- d) 27:8