Name : _____

Ratio of Surface Areas and Volumes

1) If the scale factor of two similar triangular pyramids is 4 : 7, what will be the ratio of their surface areas and the ratio of their volumes?

2) E and F are similar figures with a scale factor of 2.1 : 1.6. Find the ratio of their surface areas and the ratio of their volumes.

3) Two octagonal pris   5. Determine the ratio
    of their surface are

4) If the pentagonal p   : 8, find the ratio of their
    surface areas and t

5) Determine the rati   le factor of two similar
    heptagonal prisms

6) Derek keeps goldfish and tropical fish in two similar fish tanks. The scale factor of the fish tanks
    is 9 : 1. What is the ratio of their surface areas and their volumes?

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