Name : _____

Surface Area and Volume

1) G and H are regular figures. The scale factor of G to H is 7 : 2. If the volume of figure H is 128 cubic feet, find the volume of figure G.

_____

2) The scale factor of two cubes is 5.5 : 6. Find the surface area of the smaller cube, if the surface area of larger cube

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3) R and S are similar ⬚⬚⬚⬚⬚⬚⬚ 1.3. Determine the volume of R, if the volume ⬚⬚⬚⬚⬚

_____

4) The scale factor of ⬚⬚⬚⬚⬚ ce area of the smaller prism is 12.25 squa ⬚⬚⬚⬚⬚ prism?

_____

5) X and Y are similar triangular pyramids and the scale factor of X to Y is 1 : 9. What will be the volume of X, if the volume of Y is 2,187 cubic inches?

_____