

Name : _____

Ratio of Surface Areas and Volumes

Sheet 2

- 1) Two pentagonal prisms G and H are similar with a scale factor of 9 : 1.1, determine the ratio of their surface areas and the ratio of their volumes.

- 2) Find the ratio of surface areas and the ratio of volumes, if the scale factor of two similar hexagonal pyramids is 5.5 : 8.

- 3) What are the ratio of surface areas and the ratio of volumes, if the scale factor of two regular figures W to X is 3 :

factor of two regular

- 4) The scale factor of two similar figures is 0.2 : 4.3. Find the ratio of their surface areas and the ratio of their volumes.

is 0.2 : 4.3. Find the

- 5) If the scale factor of two similar figures is 1 : 3, determine the ratio of their surface areas and the ratio of their volumes.

be the ratio of their

- 6) Yvonne buys a couple of cylindrical glass canisters to store pasta and coffee beans. If the scale factor of the canisters is 1 : 3, determine the ratio of their surface areas and their volumes.

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