Name : _____

## Ratio of Surface Areas and Volumes

1) Determine the ratio of surface areas and the ratio of volumes, if the scale factor of cube P to cube Q is 3.2 : 2.7.

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2) The scale factor of two similar triangular prisms is 8 : 9. Determine the ratio of their surface areas and the ratio of their volumes.

   _____

3) If two rectangular p[...] : 4, find the ratio of their surface are[...]

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4) What are the ratio [...] factor of two similar hexagonal prisms i[...]

   _____

5) If the ratio of corre[...]ould be the ratio of their surface areas [...]

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6) Claire requires conical flasks of two different sizes for a titration experiment. If the scale factor of the flasks is 3 : 6.5, find the ratio of their surface areas and the ratio of their volumes.

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