

Name : \_\_\_\_\_

## Surface Area and Volume

L1S1

- 1) The scale factor of two similar cylinders is  $1.2 : 5.3$ . If the surface area of the smaller cylinder is 4.32 square inches, find the surface area of the larger cylinder.

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- 2) P and Q are similar hexagonal pyramids. The scale factor of P to Q is  $6 : 1$ . If the volume of Q is 8 cubic yards, find

\_\_\_\_\_

- 3) C and D are similar \_\_\_\_\_ would be the surface area of C, if the surface area of D is \_\_\_\_\_

\_\_\_\_\_

- 4) The cones F and G are similar. If the volume of cone F is 1,093.5 cubic inches, what would be the volume of cone G is \_\_\_\_\_

\_\_\_\_\_

- 5) T and U are similar heptagonal prisms. The scale factor of T to U is  $9.3 : 8.9$ . If the surface area of U is 237.63 square yards, what would be the surface area of T?

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