Name : _____

Surface Area and Volume

1) A and B are similar pentagonal pyramids. The scale factor of A to B is 4 : 1.5. If the surface area of A is 32 square yards, determine the surface area of B.

_____

2) M and N are similar rectangular prisms and the scale factor of N to M is 7.6 : 9.3. What will be the surface area of

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3) The scale factor of _____ of the larger prism is 736.95 cubic inche

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4) L and K are similar _____ Determine the volume of K, if the volume

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_____

5) E and F are similar figures. The scale factor of E to F is 3 : 1. If the surface area of E is 1,350 square feet, what would be the surface area of F?

_____