Name : _____
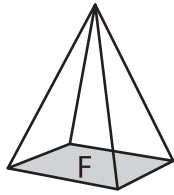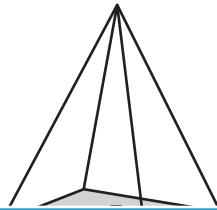
Scale Factors - Surface Areas

Each pair of figures is similar. Find the missing surface area. (SA denotes Surface area)

1) Scale factor of F to E is 1 : 8.1

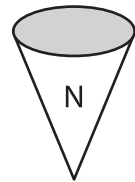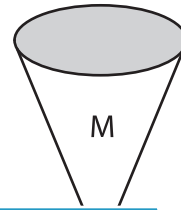SA = 20 yd²

Surface area of figure

2) Scale factor of M to N is 9 : 1

M

N

SA = ?

gure N = _____

3) Scale factor of Q to P

to C is 2 : 5

P

SA = ?

C

SA = 500 yd²

Surface area of figure

gure P = _____

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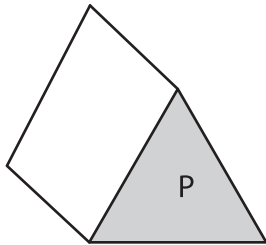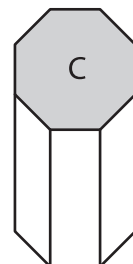
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5) V and W are regular g   . If the surface area of W is 3,216 square feet, fin

_____

6) The scale factor of two similar pyramids is 2.3 : 4.2. If the surface area of the smaller pyramid is 95.22 square inches, determine the surface area of the larger pyramid.

_____