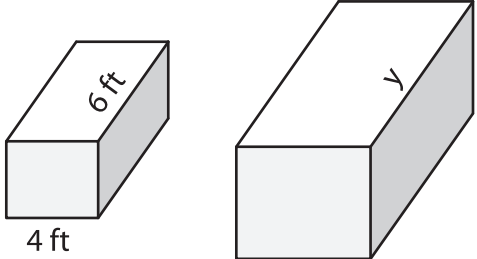
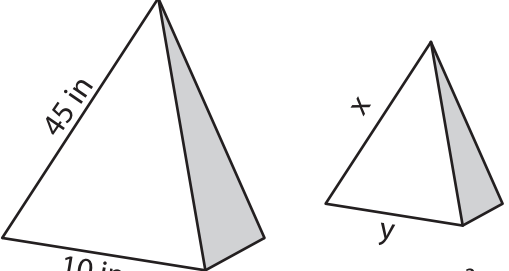


Name : \_\_\_\_\_

## Scale Factor - Finding Sides

Sheet 2

Each pair of figures is similar. Find  $x$  and  $y$  (SA denotes Surface Area and  $V$  denotes Volume).

1)  2) 

$V = 48 \text{ ft}^3$   $SA = 54 \text{ in}^2$

$x = \underline{\hspace{2cm}}$  ;

;  $y = \underline{\hspace{2cm}}$

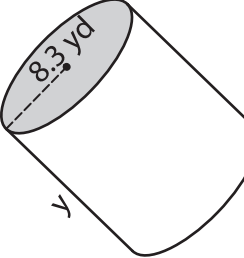
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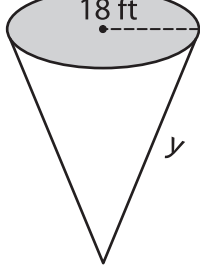
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3) 

$SA = 413.34\pi \text{ yd}^2$

$x = \underline{\hspace{2cm}}$  ;



$V = 2916\pi \text{ ft}^3$

;  $y = \underline{\hspace{2cm}}$

5) Trapezoidal prisms 1 yards respectively. If of the parallel sides

cubic yards and 15 cubic , what will be the length

6) Two rectangular pyramids are similar with surface areas 9 square inches and 64 square inches. Find the width and height of the smaller pyramid, if the width and height of the larger pyramid are 8 inches and 24 inches respectively.