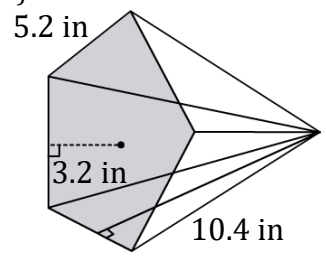
Surface area of a Pentagonal Pyramid

Name:_____ Date:_____

Find the surface area of a pentagonal pyramid? (a=apothem, b=breadth, s=slant height).

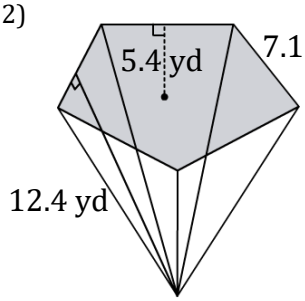
1)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

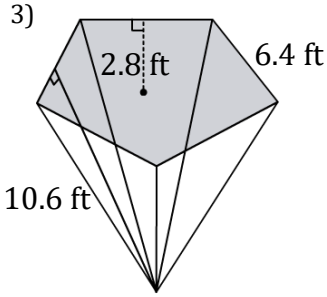
2)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

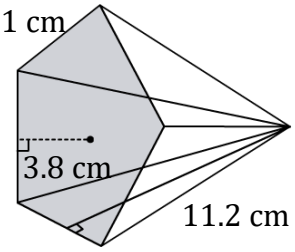
3)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

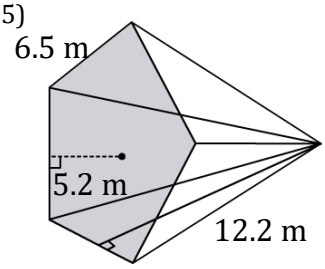
4)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

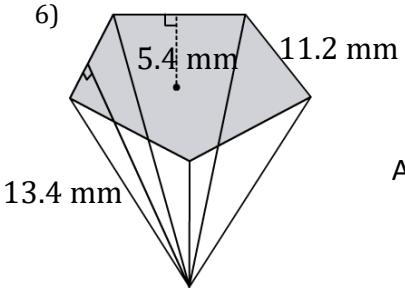
5)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

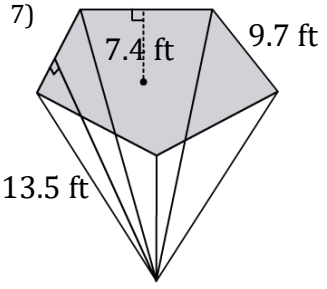
6)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

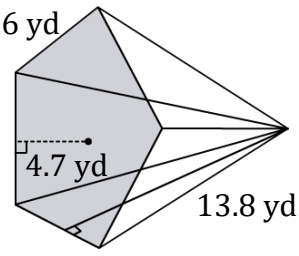
7)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = _____

8)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

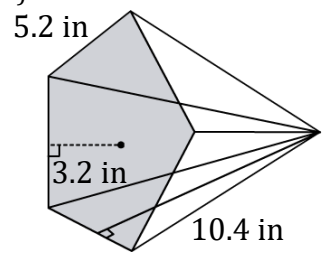
A = _____

Surface area of a Pentagonal Pyramid

Name:_____ Date:_____

Find the surface area of a pentagonal pyramid? (a=apothem, b=breadth, s=slant height).

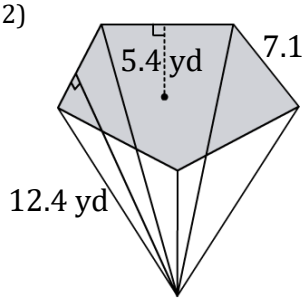
1)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 176.8 in^2

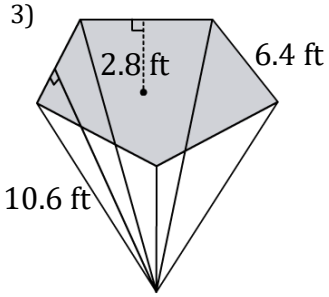
2)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 315.95 yd^2

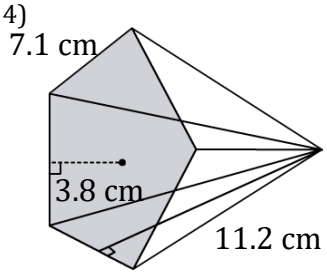
3)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 214.4 ft^2

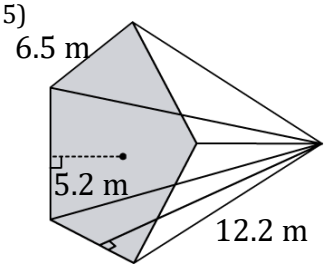
4)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 266.25 cm^2

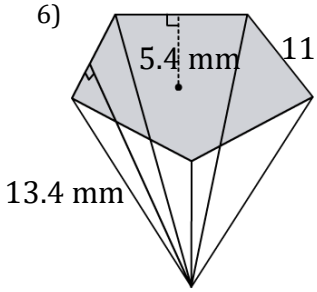
5)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 282.75 m^2

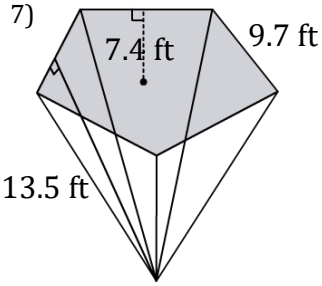
6)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 526.4 mm^2

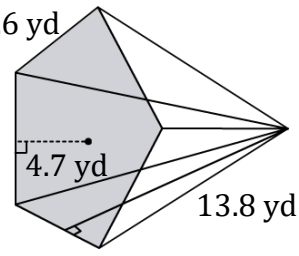
7)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 506.825 ft^2

8)



$A = \frac{5}{2}ab + \frac{5}{2}bs$

A = 444 yd^2