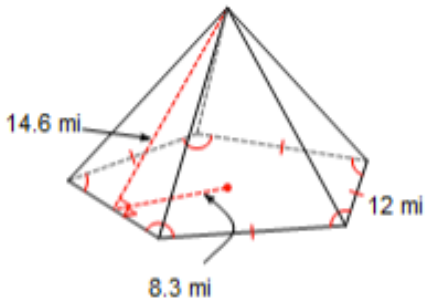
You must complete this before retaking the MC again. Remember it is all about LEARNING so take your time and learn how to do these skills. If you need help please ask!

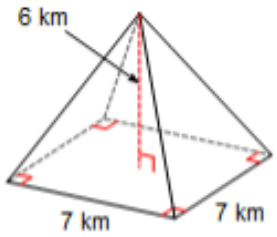
Corrective Assignment 6.2 NAME:_____

Find the lateral area. Round your answers to the nearest hundredth, if necessary.

1)



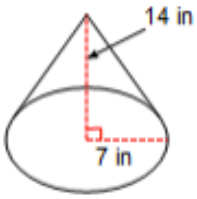
2)



Find the lateral area of each figure. Leave your answers in terms of π for answers that contain π.

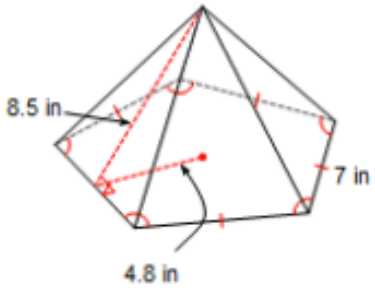
3)

4)

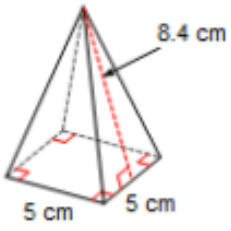


Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

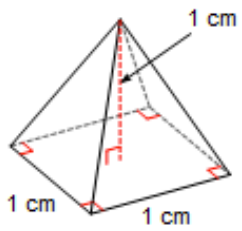
5)



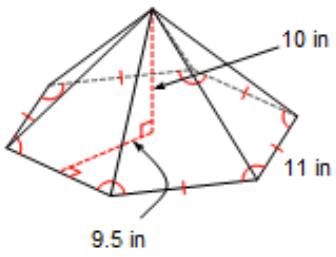
6)



7)

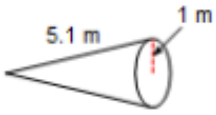


8)

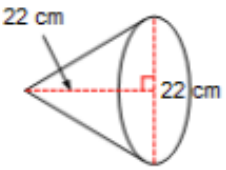


Find the surface area of each figure. Leave your answers in terms of π for answers that contain π.

9)



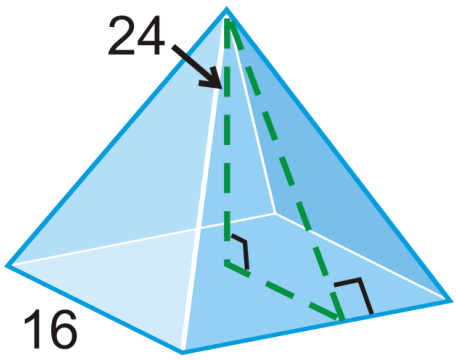
10)



11) A cone has a surface area of 30π in^2 with a slant height of 13 in. What's the length of the radius?

12) A cone has a surface area of 48π in^2 with a slant height of 8 in. What's the length of the radius?

13) Find the surface area of the pyramid below.



14) If the surface area of a square pyramid is $40\,ft^2$ and the base edge is 4 ft, what is the slant height?

15) If the lateral area of a square pyramid is $800\ in^2$ and the slant height is 16 in, what is the length of the base edge?

16) If the lateral area of a regular triangle pyramid is $252\ in^2$ and the base edge is 8 in, what is the slant height?

ANSWERS TO CORRECTIVE ASSIGNMENT:

Make sure you check all your answers and make sure you KNOW how to do all of them. You could simply copy answers but that's not the point. The point is that you have to learn how to do this so please make sure that for any you don't understand you get help BEFORE taking the Mastery Check again.

1) 438 mi^2 2) 97.2 km^2 3) 34.2π yd^2 4) 109.6π in^2 5) 232.8 in^2 6) 109 cm^2 7) 3.2 cm^2

8) 768.8 in^2 9) 6.1π m^2 10) 391.6π cm^2 11) 2 in 12) 4 in

13) 974.6 $units^2$ 14) 3 ft 15) 25 in 16) 21 in