

Name: _____

Period: _____

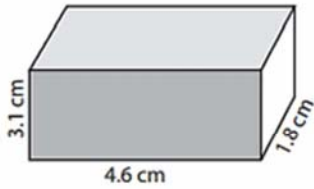
Checkpoint 6D

Integrated Math 2

Answer the questions thoroughly including any necessary math or explanations.

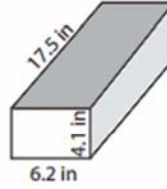
Calculate the base area and volume of the figure. Circle both values.

1)



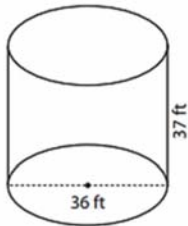
$$V = 25.67cm^3$$

2)



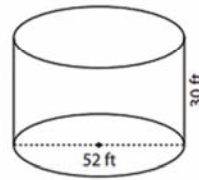
$$V = 444.85in^3$$

3)



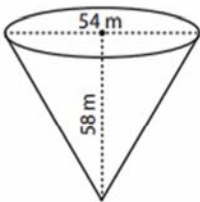
$$V = 37661.4ft^3$$

4)



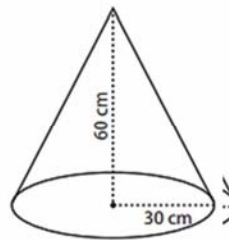
$$V = 63711.5ft^3$$

5)



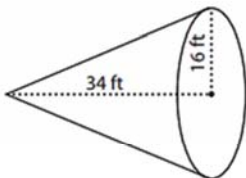
$$V = 44277.6m^3$$

6)



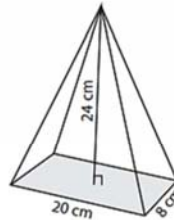
$$V = 56548.7cm^3$$

7)



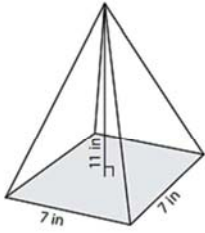
$$V = 9114.81ft^3$$

8)



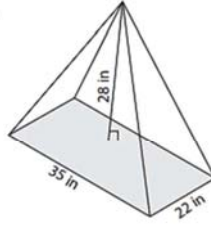
$$V = 1280cm^3$$

9)



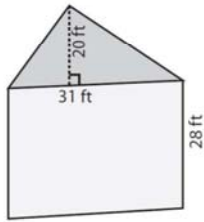
$$V = 179.67in^3$$

10)



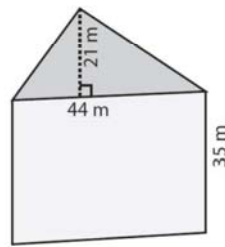
$$V = 7186.67in^3$$

11)



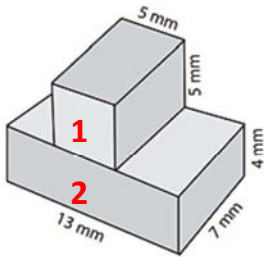
$$V = 8680ft^3$$

12)



$$V = 16170m^3$$

13)

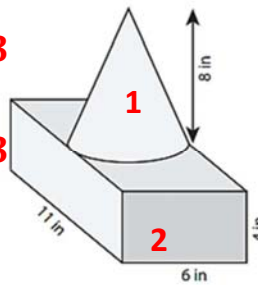


$$V_1 = 175mm^3$$

$$V_2 = 364mm^3$$

$$V_{total} = 539mm^3$$

14)



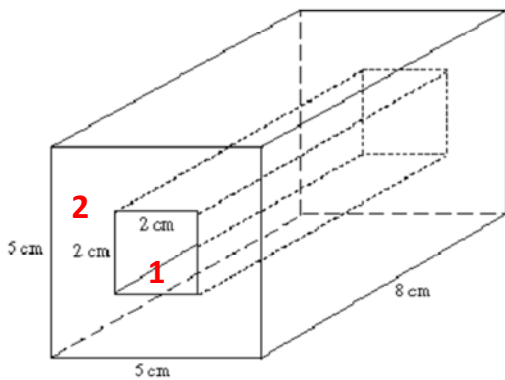
$$V_1 = 75.398in^3$$

$$V_2 = 264in^3$$

$$V_{total} = 339.398in^3$$

15)

A rectangular prism is removed from another prism. How much volume of the prism is left? Round your answer to the nearest hundredth.



$$V_1 = 32cm^3$$

$$V_2 = 200cm^3$$

$$V_{total} = 168cm^3$$