Problem Set: SOLUTIONS

Directions: You may use a calculator. You must neatly show your work the same way you were taught in the video.

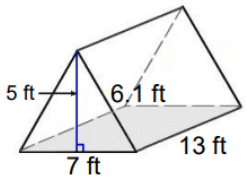
Name:

Date:

Problem Set for

G7 M3 L21+22

1)



Surface Area: _____

Front Triangle: (1/2)(7)(5) = 17.5 square feet

Back Triangle: (1/2)(7)(5) = 17.5 square feet

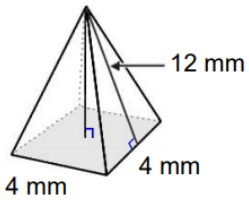
Bottom: (7)(13) = 91 square feet

Left Slope: (13)(6.1) = 79.3 square feet

Right Slope: (13)(6.1) = 79.3 square feet

Total Surface Area: = 284.6 square feet

2)



Surface Area: _____

Bottom Square: 4 x 4 = 16 mm squared

Triangle 1: (1/2)(4)(12) = 24 mm squared

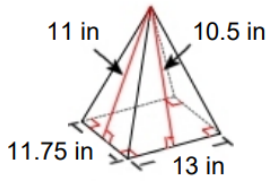
Triangle 2: (1/2)(4)(12) = 24 mm squared

Triangle 3:(1/2)(4)(12) = 24 mm squared

Triangle 4:(1/2)(4)(12) = 24 mm squared

Total Surface Area = 112 mm squared

3)



Surface Area: _____

Bottom Rectangle: 11.75 x 13 = 152.75

Left Triangle: (1/2)(11.75)(11)= 64.625

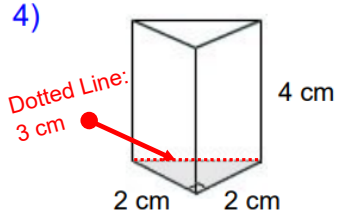
Right Triangle: (1/2)(11.75)(11)= 64.625

Front Triangle: (1/2)(13)(10.5)= 68.25

Back Triangle: (1/2)(13)(10.5)= 68.25

Total Surface Area = 418.5 in. squared

4)



Surface Area: _____

Bottom Triangle: (1/2)(2)(2) = 2 cm squared

Top Triangle: (1/2)(2)(2) = 2 cm squared

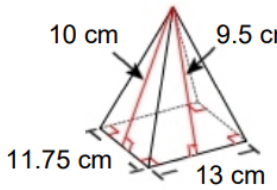
Left Rectangle: (2)(4) = 8 cm squared

Right Rectangle: (2)(4) = 8 cm squared

Back Rectangle:(3)(4) = 12 cm squared

Total Surface Area: 32 cm squared

5)



Surface Area: _____

Bottom Rectangle (13)(11.75) = 152.75

Left Triangle:(1/2)(11.75)(10) = 58.75

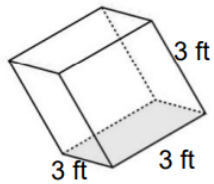
Right Triangle: (1/2)(11.75)(10) = 58.75

Front Triangle: (1/2)(13)(9.5) = 61.75

Back Triangle: (1/2)(13)(9.5) = 61.75

Total Surface Area = 393.75 cm squared

6)



Surface Area: _____

Top Square: 3 x 3 = 9

Bottom Square: 3 x 3 = 9

Left Square: 3 x 3 = 9

Right Square: 3 x 3 = 9

Front Square: 3 x 3 = 9

Back Square: 3 x 3 = 9

total surface Area = 54 ft squared

Check/Correct Work. Ask questions online during Google Meet time. Link on my webstie.