

9

Part Seven: One Lateral Face of the Outer Pyramid

- 10 A. Drawing of a lateral face of the outer pyramid with measurements labeled
- B. Formulas and substitutions to find the angle measures of the lateral face
- C. Formulas and substitutions to find the area of one lateral face
- D. Formulas and substitutions to find the lateral surface area of the outer pyramid part of the tower

6

Part Eight: Pyramid Top of the Inner Pyramid showing the Height of the Inner Pyramid

- 6 A. Same drawing as part six with correct dimensions
- B. Formulas and substitutions to find the volume of the inner pyramid

10

Part Nine: My Tower

- 10 A. Drawing of your outer tower including dotted lines for those sides you could not see
- B. Formulas and substitutions to find the lateral surface area of the outer tower
- C. Formulas and substitutions to find the volume of the inner tower

5

Part Ten – Conclusion

5

5

Last Page – pages 4 and 5 from the instruction packet

5

32

Model

PERFECT!

- 32 a. Scale used to produce model
- b. Footing – inner and out walls and dimensions in feet
- c. Floor
- d. Inner and outer walls of the prism and dimensions in feet
- e. Outer wall with door
- f. Outer wall with window
- g. Inner and outer walls of the roof and dimensions in feet
- h. Triangle from roof to base which shows the angle (labeled) between the prism and pyramid with dimensions in feet for BOTH pyramids (inner and outer)

147

TOTAL

150

10 points extra credit – turn in by Thursday May 24th

+ 10 points extra credit – make a scale model of your tower with some theme to impress the owner

NICE CONSTRUCTION THEME! THE REAL CONCRETE WAS AMAZING!

157
 150