Do required calculations:





b)



Radius = 6 yds Height (1) = 12 yds Height (2) = 4 yds Total Volume = _____ Number of bushels of wheat is filled to 75% capacity = _____ Weight is filled to 100% capacity with oats = _____

c)



Diameter = 8 meters Height (1) = 30 meters Height (2) = 4 meters Total Volume = _____ Surface Area of the cylinder = _____ Total weight if filled with corn = _____ Total number of pails of paint required to paint cylinder if each pail covers 2000 sq ft. = _____

d)



Radius = 6 feet Length (Height) = 12 feet Volume = ______ Surface Area = ______ Total weight if container filled with water = Amount of paint primer required if each can covers 380 square feet (ignore legs) = ______



Radius = 100 feet Height = 40 feet Volume = ______ Surface Area = ______ Cost to redo a tar and gravel roof if the cost of materials and labour is \$4.59 a square foot = _____ How many gallons of oil would this structure hold? _____



Radius = 12 feet Height of Lower cone = 10 feet Height of cylinder = 16 feet Height of upper cone = 6 feet Volume = ______ Number of Bushels of Flax this structure would hold if filled to capacity = _____ Weight of Rye is stored in structure and it was filled to 40% capacity = _____



Diameter = 6 yards Length = 40 yards Volume = _____ Total number of gallons of water that these structures would hold = _____



Dimensions at the base 756 feet by 756 feet Height = 481 feet Volume = Surface area (only exposed surfaces) = _____ Total weight of the structure if it had been built of compacted clay = _____



Diameter = 165 feet Volume = _____ Surface Area = _____ 15% of the surface is steel and the rest is glass What is the total weight of the structure if the steel is on average 4 inches thick and the glass

is 2 inches thick? _____

h)