Ice Cream

Bridget is going to the ice cream shop and wants to determine which of the following is the best deal. The chart below gives the description and prices for her options.

__$2.00__	__$3.00__	__$4.00__
1 scoop in a cup	2 scoops in a cup	3 scoops in a cup
Half a scoop on a cone filled with ice cream		A cup filled with ice cream (leveled to the top of the cup)

A scoop of ice cream is considered a perfect sphere and has a 2-inch diameter. A cone has a 2-inch diameter and a height of 4.5 inches. A cup is considered a right circular cylinder, has a 3 inch diameter, and a height of 2 inches.

A. Determine the volume of each choice. Use 3.14 to approximate pi.

B. Determine which choice will be the best value for her money. Explain your reasoning. (Note we are not factoring in the cost of the cone or the cups, just the ice cream)