Section:

Name: _____

Work in groups of no more than three with NO NOTEBOOKS please.

1. Consider the trapezoid-shaped region between the graph of f(x) = x+2 and the x-axis on the interval from x = 0 to x = 1. Set up (but do not solve) a definite integral that describes the volume of the solid obtained by revolving this region around the vertical line x = 3. You may use either discs/washers or shells, whichever you prefer. Include a clear, labeled picture of a representative disc/washer or shell.

