

Name: \_\_\_\_\_

142 Quiz 2

1. Draw pictures and set up the integral to find the volume of the solid resulting from rotating the region bounded by  $y = 1 - (x - 2)^2$  and  $y = 0$  about the axis of rotation  $x = -2$ .

2. Draw pictures and find the volume (that is, do the integral) of the solid resulting from rotating the region bounded by  $y = \sec x$  and  $y = 2$  about the axis of rotation  $y = -2$ .