1. Set up, but do not evaluate, an integral for the volume of the solid obtained by rotating the region bounded by the curves $y = \sqrt{x}$ , $y = 2x$ about the specified axis. (i) about x-axis
Washer:
Cylindrical Shell:
(ii) about y-axis;
Washer:
Cylindrical Shell:
(iii) about $y = -2$
Washer:
Cylindrical Shell:
(iv) about $x = 2$
Washer:
Cylindrical Shell: