Volumes of Revolution

Determine the method (shells or disks/washers) to use for each region, and find the appropriate information (radius, height, etc.)

1. Rotate the region bounded by $x = 16 - y^2$ and the y-axis about the line:

   (a) $y = 0$

   (b) $y = 5$

   (c) $y = -5$

   (d) $x = 0$

   (e) $x = 20$

   (f) $x = -1$

2. Rotate the region bounded by $y = x$ and $y = \sqrt{x}$ about the line:

   (a) $y = 0$

   (b) $y = 5$

   (c) $y = -5$

   (d) $x = 0$

   (e) $x = 20$

   (f) $x = -1$

   (For 2, you can actually use BOTH methods for each rotation.)