WS CH.7 Volumes rotated about other lines

Name:



f) vol. about line y = 9 f) vol. about line y = 20

- 3) Set up and calculate to solve the following volumes for the shaded region between
 - $f(x) = \sqrt{x-1}$ and the x-axis over the interval [1,5].
 - a) vol. about line y = -7 b) vol. about line y = 15



4) Set up only the following volumes for the enclosed region between $f(x) = \frac{3}{5}x + 1$ and $g(x) = 3\ln x$. *a)* vol. about line x = 12 *b)* vol. about line y = 8

Use what you have learned to set up the next two.

c) vol. about line x = 1

d) vol. about line y = 1

