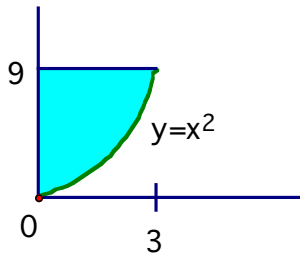


Volumes WS CH.7

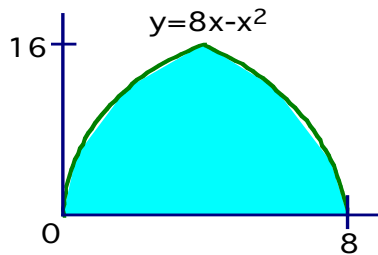
Name: _____ Per. _____

Volumes rotated about other lines



1) **Set up and use your calculator** to solve the following volumes for the shaded region above.

- a) *volume about x-axis* b) *volume about y-axis* c) *vol. about line $x = 4$*
- d) *vol. about line $y = -5$* e) *vol. about line $x = -3$* f) *vol. about line $y = 9$*



2) **Set up and use your calculator** to solve the following volumes for the shaded region above.

- a) *volume about x-axis* b) *volume about y-axis* c) *vol. about line $x = 10$*
- d) *vol. about line $y = -1$* e) *vol. about line $x = -5$* f) *vol. about line $y = 20$*

3) **Set up and use your calculator** to solve the following volumes for the shaded region above.

- a) *vol. about line $y = -7$* b) *vol. about line $y = 15$*
- c) *vol. about line $x = 9$* d) *vol. about line $x = -8$*

