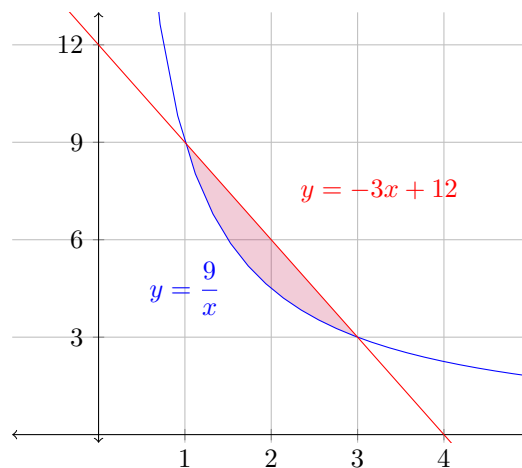


Please show **all** your work! Answers without supporting work will not be given credit.
Write answers in spaces provided.

Name: _____

1. [5 pts] Let R be the region shown to the right. Set up the integral that computes the **VOLUME** as R is rotated about the x-axis.

DON'T COMPUTE IT!!!



Volume = _____

2. [5 pts] Set up the integral that computes the **VOLUME** of the region bounded by

$$y = \sqrt{16 - x}, \quad y = 0 \quad \text{and} \quad x = 0$$

about the y-axis. **DON'T COMPUTE IT!!!**

Volume = _____