

QUIZ 6

Name _____

1. For the following problems set up the integral you would need to solve the problem but don't integrate.

(a) Find the area of the region bounded below by the line $-3x+y = -6$, above by $y = -x^2+4$ and by $x = 0$ and $x = 2$

(b) Find the volume of the solid created by rotating the region bounded by $y = x^2$, $y = x$, $x = 0$ and $x = 1$ about the x -axis.

2. Use slices and integration to find the area of the triangle shown below

