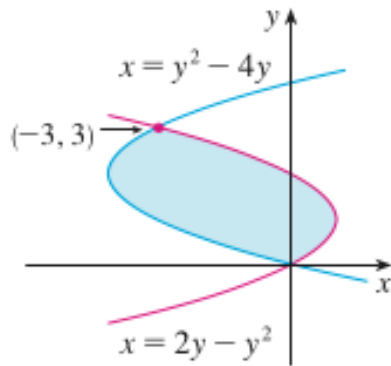Present neatly on separate paper. Justify for full credit. No Calculators.
Name _____Score _____ 10 minutes **Weight: x1**

Use calculus to find the area enclosed by the given curves.

1)

$x = y^2 - 4y$

$(-3, 3) \rightarrow$

$x = 2y - y^2$

2)
$$y = \sec^2 x, \quad y = 8 \cos x, \quad -\pi/3 \leqslant x \leqslant \pi/3$$