Name: _Cnopika Dos_
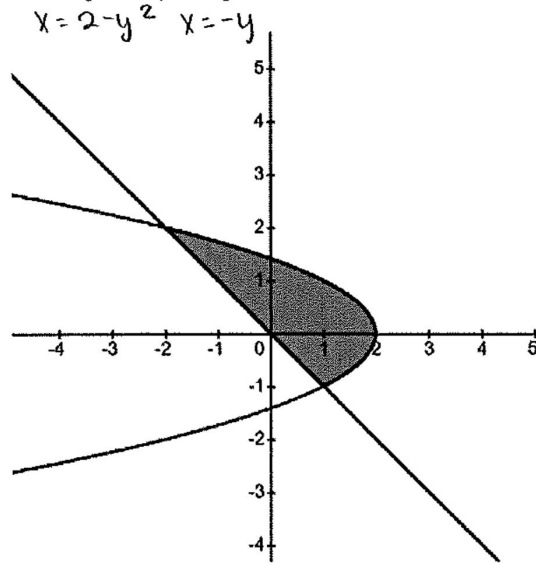
LT3: I can compute the area of a region bounded by two curves, including determining whether to integrate with respect to x or y.

1. Consider the curves $x + y^2 = 2$, $x + y = 0$ shown below.

$X = 2 - y^2$ $X = -y$

Write the definite integral that gives the area between the curves. You do not need to solve the integral.

$$\int_{-1}^{2} (2 - y^2) + y \ dy$$