\$6.2-6.3 Quiz

ZED CHANCE

$$x = -y^2 - 2y + 3$$

$$= -(y+3)(y-1)$$

$$\frac{-b}{7a} = \frac{2}{-2} = -1$$

$$f(-1) = -(-1)^2 - 2(-1) + 3$$

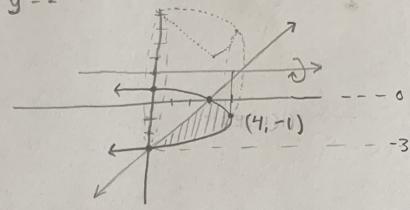
Volume

$$V = Z\pi \int_{-3}^{0} (2-y)(y+3) dy$$

$$= 2\pi \int_{-3}^{0} 2y + 6 - y^2 - 3y dy$$

$$= 2\pi \left[-\frac{1}{3}y^3 - \frac{1}{2}y^2 + 6y \right]^{\circ}$$

about y = 2



$$-y^2 - 2y + 3 = y + 3$$

$$-9^2 - 3y = 0$$

$$-9(y+3)=0$$

5 Shells

