Homework: Work -- Answers for part (c) -- the definite integral

Different answers from these may still be correct, depending on where you set up the axes in your picture.

1. \[ \int_{-3}^{0} (62.4)(20)(-y\sqrt{9-y^2})\,dy \]
2. \[ \int_{0}^{4} (62.4)[2 \cdot \frac{3}{8}y]^2 (6-y)\,dy \]
3. \[ \int_{-2}^{0} (62.4)\pi (-y)(\sqrt{4-y^2})^2\,dy \]