(13) $y = \sqrt{5+x^2}$, $y = 0$, $x = 0$, $x = 2$

$V = 2\pi \int_0^2 x\sqrt{5+x^2}\,dx$

~~$V = 2\pi \cdot \frac{-2(5\cdot\sqrt{5} - 27)\cdot\pi}{3}$~~

$V = \frac{-2(5\sqrt{5} - 27)\pi}{3}$

$V = 10.5465\pi \approx 33.1326$ u

(15) $xy = 1$, $x = 0$, $y = 1$, $y = 3$

$y = \frac{1}{x}$

~~$V = 2\pi \int_1^3 y\,f(y)\,dy$~~

$V = 2\pi \int_1^3 \frac{1}{x} \cdot x\,dx$

$V = 2\pi \int_1^3 1\,dx$

$V = 2\pi \cdot 2 = 4\pi$

(17) $y = x^{3/2}$ $y = 8$, $x = 0$

$V = 2\pi \int_0^8 y \cdot y^{2/3}\,dy$

$V = 2\pi \int_0^8 y^{5/3}\,dy$

$V = 2\pi \left[\frac{3}{8} y^{8/3}\right]_0^8$

$V = 2\pi \cdot \frac{3}{8} \cdot 256$

$V = 192\pi$ u