

Section 6.6: Surface Area

Group work:

Problem 1 Find the surface area of the surface generated by revolving the curve given by

(a) $x = 2y^3$ from $(0, 0)$ to $(2, 1)$ about the y -axis.

(b) $y = \frac{1}{6}x^3 + \frac{1}{2x}$ from $\left(2, \frac{19}{12}\right)$ to $\left(3, \frac{14}{3}\right)$ about the x -axis.

