

Work-It-Out Day 6: Sections 7.2 and 7.3
Math 142 - Spring 2016

1.

$$\int \sqrt{27 + 9x^2} dx$$

2.

$$\int \frac{\cos^5(5x)}{\sin^3(5x)} dx$$

3.

$$\int \frac{1}{\sqrt{x^2 + 6x}} dx$$

4.

$$\int \sin^4(y) dy$$

5.

$$\int \frac{dx}{z^3 \sqrt{z^2 - 9}} dz$$

6.

$$\int \frac{z^3}{\sqrt{9 - z^2}} dz$$