

Math 122 - Projects
April 3, 2019

Choose one of the following projects for extra credit. Turn in by Wednesday, April 24.

- 1.** Study how to find *volumes of solids that are not solids of revolution* on pages 444-446 in Section 6.2. Work Problems 49 & 50 on p. 447.
- 2.** Study how to find *volumes of solids using cylindrical shells* in Section 6.3. Work Problems 17 & 18 on p. 454.
- 3.** Study how to compute the *work done by a force* on pp. 455-457 in Section 6.4. Work Problems 7 & 16 on p. 459.
- 4.** Study how to compute the *work done by a force* on pp. 455-457 in Section 6.4. Work the following problems dealing with baseball: Problems 1 & 2 on p. 464.
- 5.** Study how to compute the *area of a surface of revolution* in Section 8.3. Work Problems 7 & 18 on p. 555.
- 6.** Study how to compute *consumer surplus* in Section 8.4. Work Problems 5 & 10 on p. 572.
- 7.** Study *Poiseuille's Law* on pp. 230-231 and pp. 570-571. Work Problem 29 on p. 235 and Problem 20 on p. 573.
- 8.** Study about *cardiac output* on p. 571. Work Problems 21 & 21 on p. 573.
- 9.** Study about *models of population growth* on pp. 586-587. Work Problems 9 & 10 on p. 590.