

# Review problems for Exam 2

Math 127, Fall 2007

October 15, 2007

- §1.8: 19, 27, 29
- §2.2: 19
- §2.3: 17, 23, 29
- §2.4: 17, 27, 29
- §2.7: 7, 9, 15
- Ch. 2 supplementary problems: 45-46 (for extra practice, graph the functions), 52-54, 61
- §3.2: 11-20, 45, 46, 48
- §3.3: 19, 23, 27, 44-46
- Ch. 3 supplementary problems: 13-14, 15-16, 41-42
- Sketch the graphs of the following functions:

$$y = \frac{6x^2 - 4x}{x - 1}$$

$$y = \frac{x^2}{\sqrt{x^2 + 1}}$$

$$y = \frac{\sqrt{x^2 + 1}}{x^2}$$