

MA 11100 Exam 3 Answers
Spring 2009

- 1) $[-11, 5]$
- 2) It is between 65 and 68 miles per hour. (about 67.6 mph)
- 3) $-4x^2 + x + 7$
- 4) The leading term is $4x^2y$.
- 5) $4y^2 - 12y + 9$
- 6) $9x^3 - 121x$
- 7) I, II, and III
- 8) $4b + 3$
- 9) $3a + 5$
- 10) One solution is at least -5, but less than -2. (Solutions are 7 and -3.)
- 11) $x^2 - 9x - 10 = 0$
- 12) $\frac{x-2}{2x^2}$
- 13) $\frac{3t-5}{t-3}$
- 14) $x(x+1)^2(x-1)$
- 15) $\frac{4y^2+1}{4y^2-1}$