

Exam 3 Answers, Spring 2008

- 1) I and II
- 2) $\left\{x \mid -\frac{16}{3} < x < 4\right\}$
- 3) The degree of the polynomial is 4.
- 4) $9a^2 - a - 7$
- 5) II and III
- 6) $2x^2 + 5x - 3 = (2x - 1)(x + 3)$
- 7) It is between 6 and 10.
- 8) $\frac{x+2}{x-2}$
- 9) $\frac{4(x-2)}{x-3}$
- 10) There are two positive solutions.
- 11) $(a^2b + 5)(a^2b - 5)$
- 12) $\frac{(x+3)(x-2)}{5x}$
- 13) \$1150
- 14) More than 800 caps
- 15) $x^2 - x - 36 = 0$