

MA 11100 Answers
Exam 2, Spring 2009

- 1) $\{y \mid -1 \leq y \leq 5\}$
- 2) $g(-2) = -8$ $h(-2) = 14$
- 3) I and III only
- 4) The graph of the equation $y - 8 = 12$ is a horizontal line.
- 5) $\left(\frac{5}{6}, 0\right), \left(0, \frac{1}{2}\right)$
- 6) $P(x) = 350x + 8000$, 36 months
- 7) $y = -\frac{8}{3}x + 8$
- 8) $3x^2 + 2x + 5$
- 9) The solution is in quadrant IV and the x value is 3.
- 10) $x = -4$
- 11) $x + y = 180$
 $y = 2x + 5$
- 12) 16 points
- 13) II only
- 14) 33 checks
- 15) There are two solutions. Both are positive.