

## Algebra 2

### Yellow Chapter 3 Review Packet Answers:

- 1) (3, 4)
- 2) Yes
- 3) One solution (you know this because if you solve the system, you would get one point as the solution)
  
- 3.5) One possible set of answers: (note, it should be changed to "Sandra works NO MORE than...")
  - a)  $x$  is the number of hours tutoring,  $y$  is the number of hours delivering pizza
  - b)  $x + y \leq 18$      $4 \leq x \leq 8$      $y \geq 0$
  - c)  $f(x, y) = 15x + 9y$
  
- 4) C
- 5) the two lines graphed from an  $x$ , and the rightmost region should be shaded for your solution
- 6) the region below both lines should be shaded
- 7) the shaded region is an isosceles triangle
- 8) final answer: max is 42, min is 2
- 9) (1, -4)
- 10) 9 student tickets
- 11) (-5, -5)
- 12) (3, 1)
- 13) (0, 3)
- 14) (5, 4)
- 15) A
- 16) (1, -2, -6)
- 17) (-1, 6, -2)