

8 problems
(11 points for grading)

Alg 2 ~ Assignment 42 Key

NEW

Solve the systems.

1. $x - y = -3 \rightarrow -y = -x - 3 \rightarrow y = x + 3$ (-1, 2), (2, 5)
 $x^2 - y = -1 \rightarrow -y = -x^2 - 1 \rightarrow y = x^2 + 1$

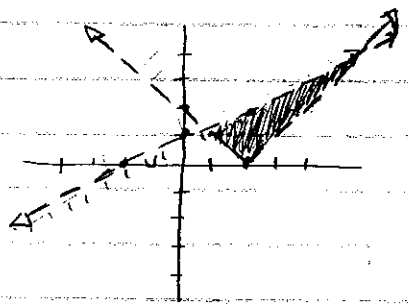
2. $x^2 - y = 0 \rightarrow y = x^2$ (0, 0), (2, 4)
 $x^2 - 4x + y = 0 \rightarrow y = -x^2 + 4x$

3. $y = 2x$ (1, 2)
 $y = x^2 + 1$

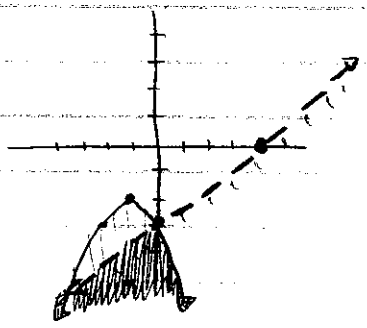
4. $y = |x + 1|$ (4, 5)
 $y = 2x - 3$

5. $y = |x - 2| - 5$ (-3, 0), (0, -3)
 $y = 2x^2 + 5x - 3$

(2pts) 6. $y > |x - 2|$
 $y < \frac{1}{2}x + 1$



(2pts) 7. $y \leq -(x + 1)^2 - 2$
 $3x - 4y > 12$



(2pts) 8. $y \leq |x+2| - 3$
 $y \geq (x-2)^2 - 2$

