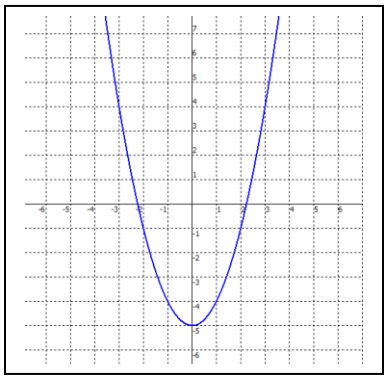
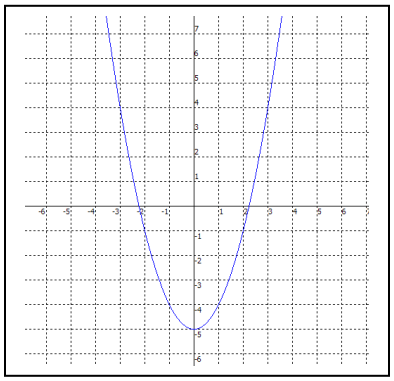
MATH 125 College Algebra Name_____

5.5 Notes

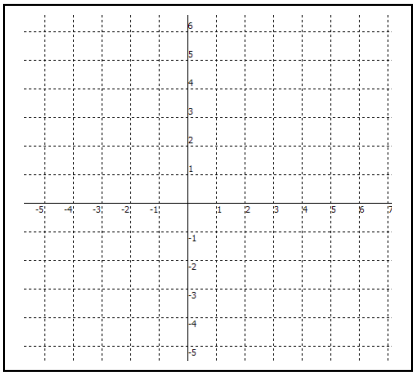
$y \geq x^2 - 5$



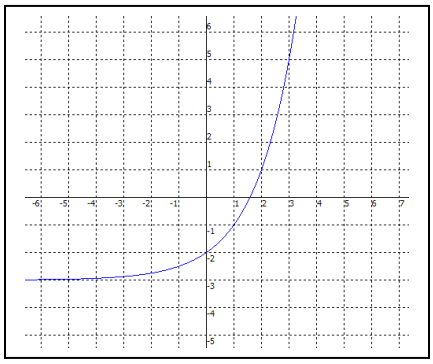
$y < x^2 - 5$



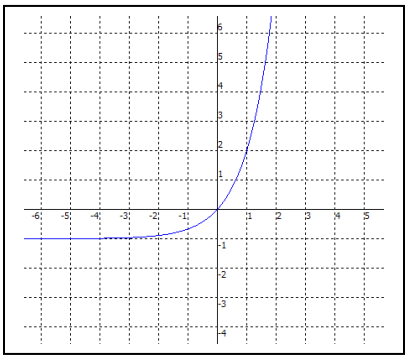
$y \leq 4$



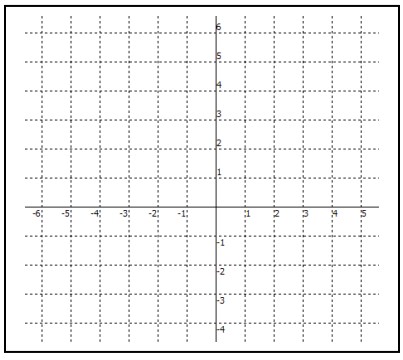
$y > 2^x - 3$



$y \leq 3^x - 1$



$x > -2$

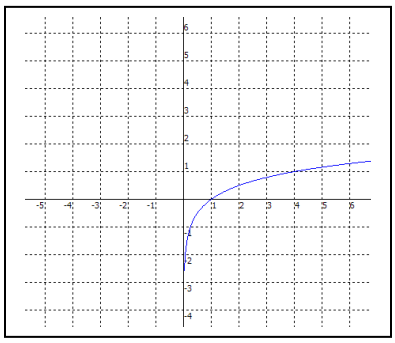


$y \leq \log_4 x$

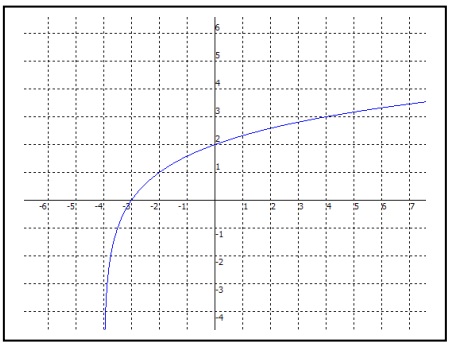
$y \geq \log_2 (x + 4)$

$y > x$

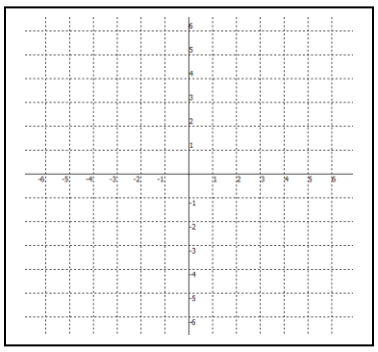
$x^2 + y^2 < 9$

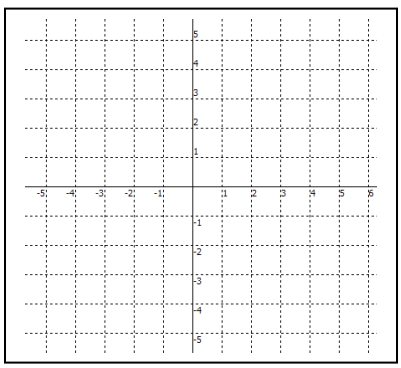


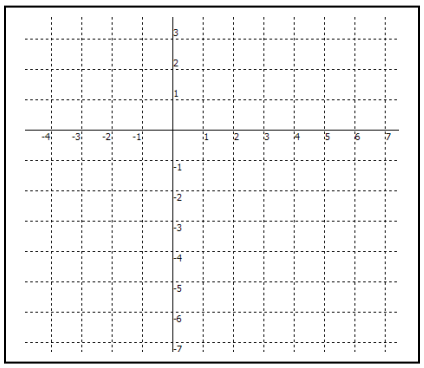
$(x-1)^2 + (y+2)^2 \geq 4$

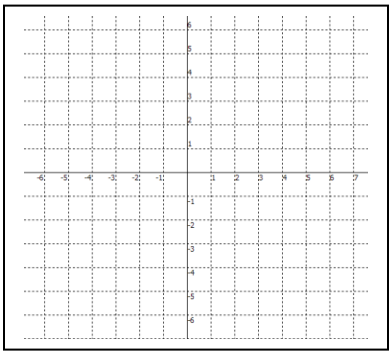


$y \leq -2x$

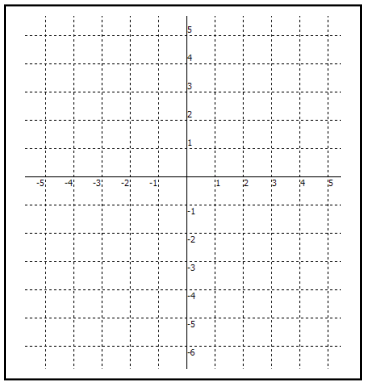




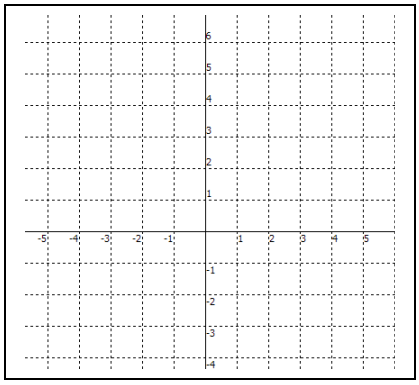




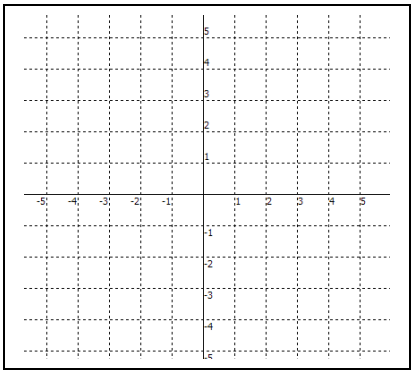
$$\begin{cases} y \le -x^2 + 4 \\ x^2 + (y+2)^2 \ge 4 \end{cases}$$



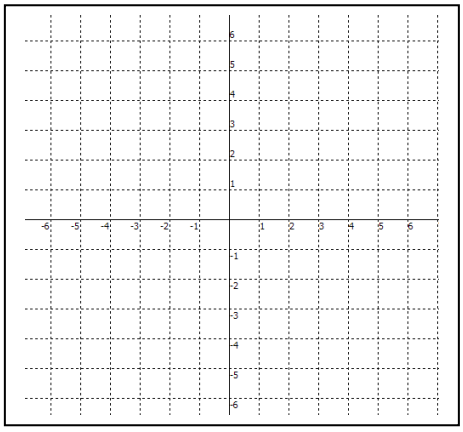
$$\begin{cases} y < 2^x \\ y \ge (x-1)^2 \end{cases}$$



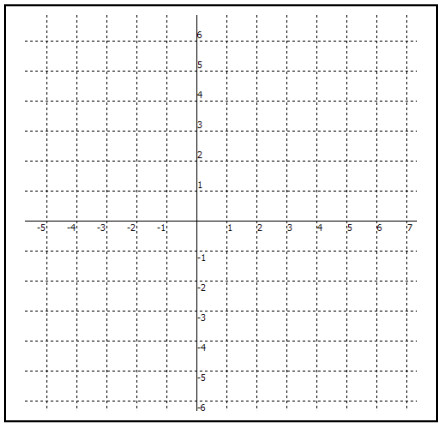
$$\begin{cases} y \le x^2 - 2 \\ y \le x \end{cases}$$



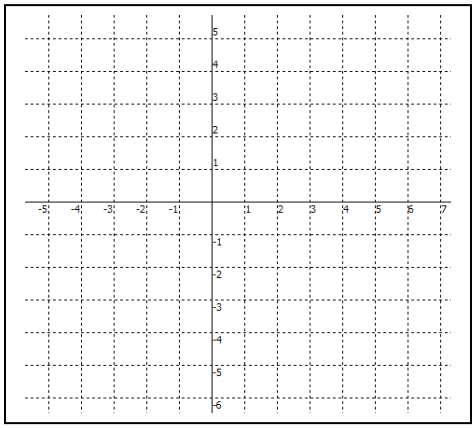
$$\begin{cases} y < 3^x \\ y > \log_3 x \end{cases}$$



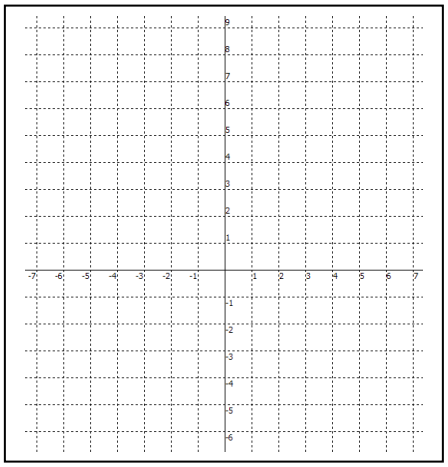
$$\begin{cases} y < -2x + 6 \\ (x-2)^2 + y^2 \le 9 \end{cases}$$



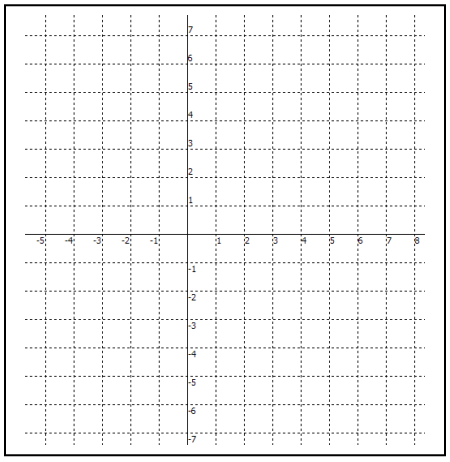
$$\begin{cases} y - x > -2 \\ y \le x^2 - 4 \end{cases}$$



$$\begin{cases} y \ge (x+3)^2 - 2 \\ x \le -1 \\ y < 7 \end{cases}$$



$$\begin{cases} y \le x^2 + 1 \\ y \ge -x^2 - 1 \\ (x-2)^2 + y^2 \le 16 \end{cases}$$



$$\begin{cases} y < |x| + 1 \\ y \ge -(x+2)^2 \\ y \ge -(x-2)^2 \end{cases}$$