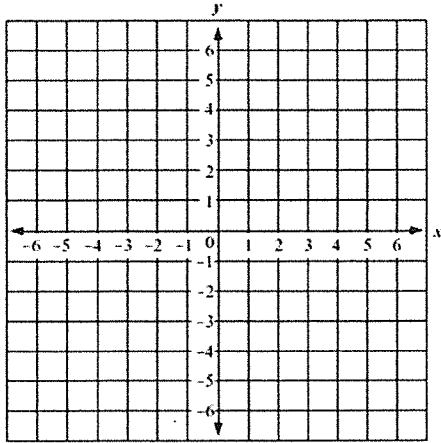


## Unions and Intersections

1. Graph the union of:

$$y > -|x| + 7$$

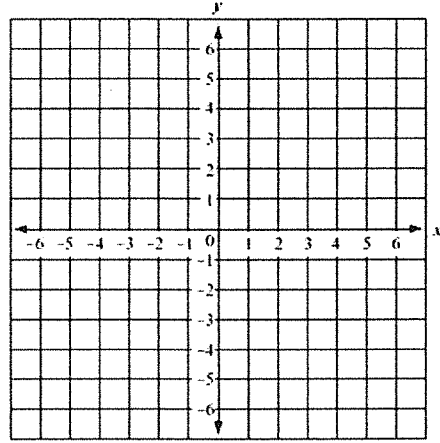
$$y < |x| - 7$$



2. Graph the intersection of:

$$y = (x - 3)^2$$

$$y < 4$$

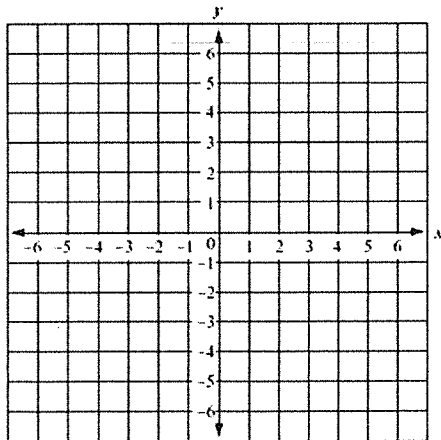


3. Graph the intersection of:

$$y \geq x^2 - 6$$

$$y \leq -\frac{2}{3}x + 5$$

$$y \leq \frac{2}{3}x + 5$$

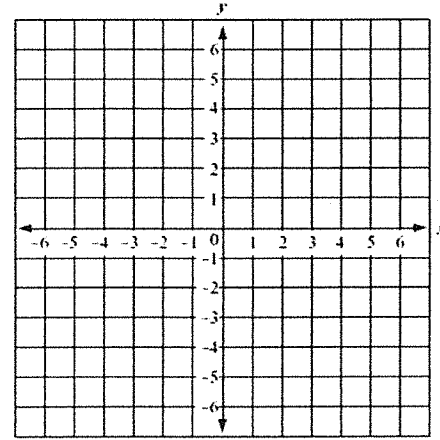


4. Graph the intersection of

$$-2 \leq x$$

$$2y + x \leq 4$$

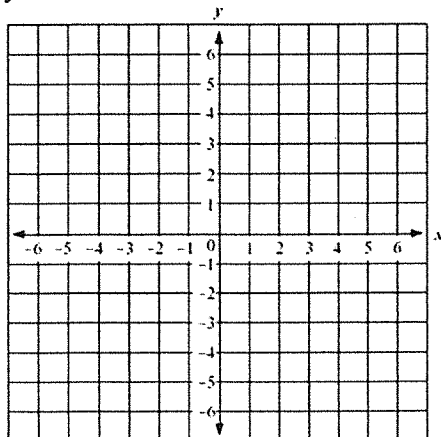
$$2y - x \geq -4$$



5. Graph the union of:

$$y > 2^{x+5} \quad y \leq -1$$

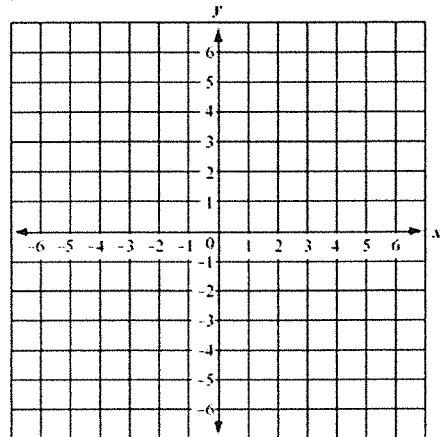
$$y > 2^{-x+5}$$



6. Graph the intersection of

$$|y| \geq 4$$

$$|x| \geq 4$$



Find the system of inequalities given on each graph.

