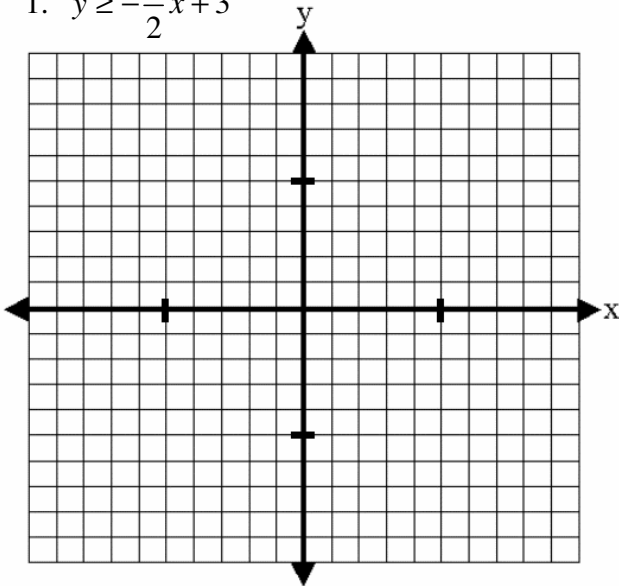


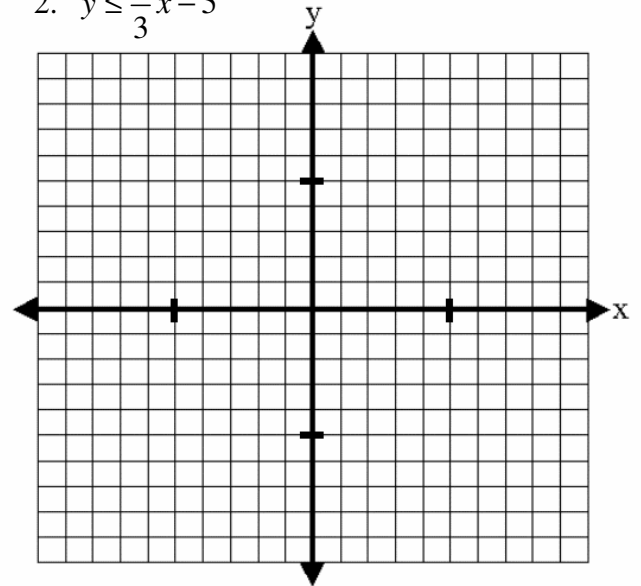
Objective: To graph linear inequalities

Graph each linear inequality.

1. $y \geq -\frac{1}{2}x + 3$

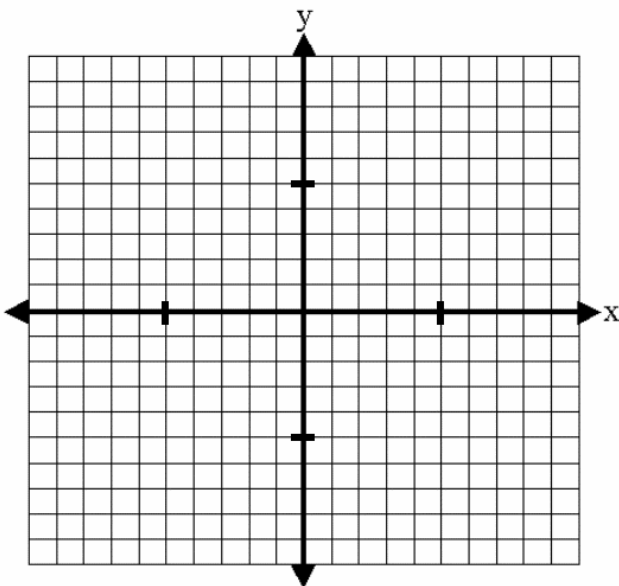


2. $y \leq \frac{4}{3}x - 5$

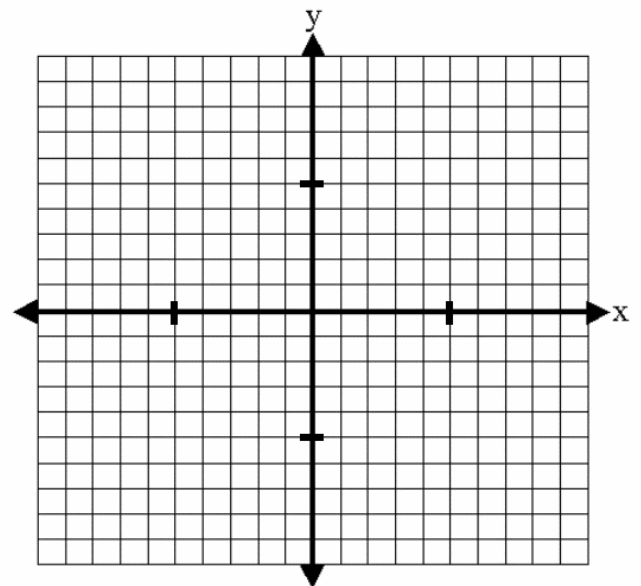


For the next two problems, you will need to get y by itself *before* you can graph the inequality. Don't forget to "flip" the inequality sign if you divide by a negative number!

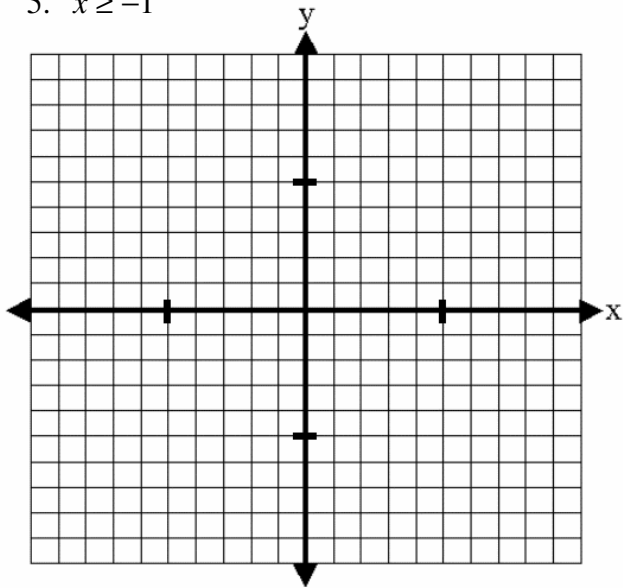
3. $8x - 4y < -12$



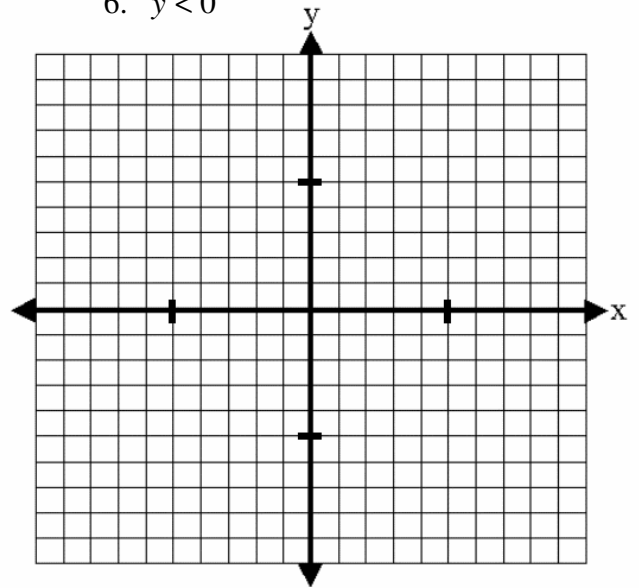
4. $-3x - 9y > 18$



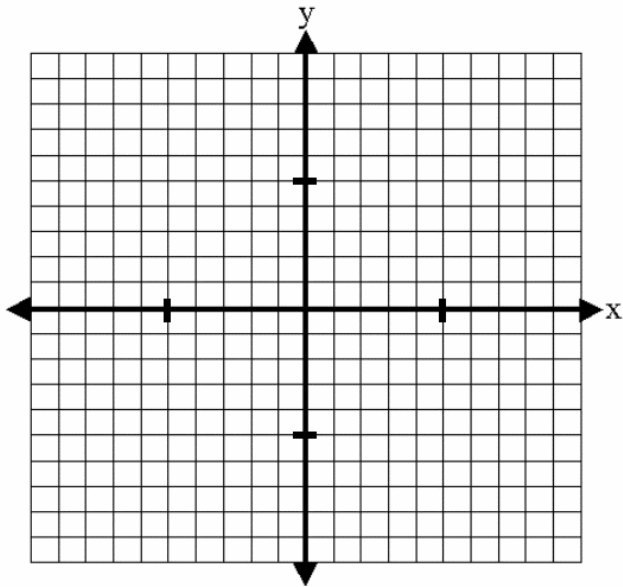
5. $x \geq -1$



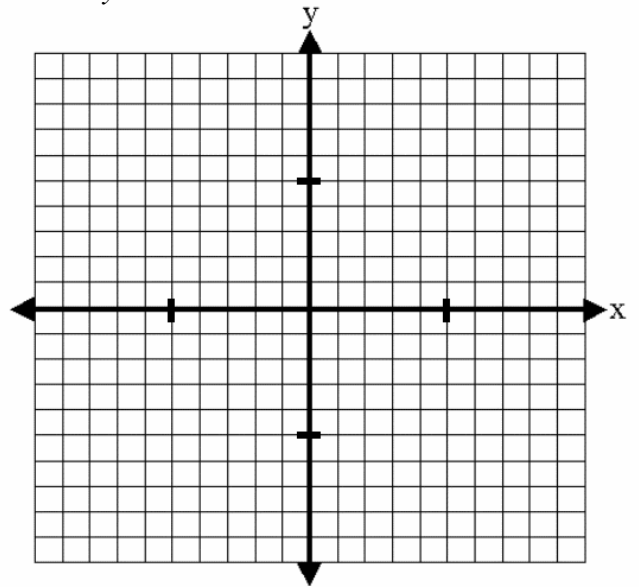
6. $y < 0$



7. $x < 7$



8. $y \geq -7$



REVIEW QUESTIONS:

9. Write the equation of the line that passes through $(4, -6)$ and $(2, -8)$.

10. Write the equation of the line that is **parallel** to $y = -\frac{4}{5}x + 1$ and passes through $(20, -14)$.