## Algebra I 6-7 <br> Graph Linear Inequalities in Two Variables


a) if $y$ is $>$ or $\geq$, shade above the boundary line. Shaded area is
b) if $y$ is $<$ or $\leq$, shade below the boundary line. a solution.
c) if this is confusing to you, use a test point not on the line.

Assignment:
pg. 409
1, 2-14 even, 15-24 all, 44-46 all

3) Graph $2 y+4 x \geq 8$

$$
\begin{aligned}
2 y+4 x-4 x & \geq-4 x+8 \\
\frac{2 y}{2} & \geq-\frac{4 x}{2}+\frac{8}{2} \\
y & \geq-2 x+4 \\
m & =-\frac{2}{1} \quad b=4
\end{aligned}
$$


$\square$

