Homework 2.8 Solving System of Linear Inequalities
Solve each system by graphing.

1. $\left\{\begin{array}{c}y \leq-x-2 \\ y \geq-5 x+2\end{array}\right.$
2. $\left\{\begin{array}{c}y>-x-2 \\ y<-5 x+2\end{array}\right.$
3. $\left\{\begin{array}{c}y \leq \frac{1}{2} x+2 \\ y<-2 x-2\end{array}\right.$



4. $\left\{\begin{array}{c}x \leq-3 \\ y<\frac{5}{3} x+2\end{array}\right.$
5. $\left\{\begin{array}{l}y \leq-\frac{5}{2} x-2 \\ y<-\frac{1}{2} x+2\end{array}\right.$
6. $\left\{\begin{array}{c}y \geq \frac{2}{3} x+3 \\ y>-\frac{4}{3} x-3\end{array}\right.$



7. $\left\{\begin{array}{c}4 x+y<2 \\ y>-2\end{array}\right.$
8. $\left\{\begin{array}{c}x+2 y<2 \\ 3 x+2 y>-2\end{array}\right.$
9. $\left\{\begin{array}{c}y<-x+3 \\ y \geq x-3\end{array}\right.$



10. Discuss where the solutions are graphically when solving systems of inequalities.

This was created by Keenan Xavier Lee - 2015. See my website for more information, lee-apcalculus.weebly.com

