## CH 5 REVIEW

1.Consider the system of linear equations

$$
\begin{aligned}
& 6 x+3 y=-10 \\
& -3 x+y=5
\end{aligned}
$$

a. Solve the system by graphing.
b. Solve the system by substitution.
c. Solve the system by elimination.
d. Which method do you prefer for this system? Explain.
2.Consider the inequalities $y \leq 2 x+5$ and $x-y<-3$.
a. Graph both inequalities in the same coordinate plane. Shade the intersection of the half-planes.
b. Determine if $(0,0)$ is a solution to the system of linear inequalities graphed in part (a).
c. Determine if $(1,4)$ is a solution to the system of linear inequalities graphed in part (a).
d. Determine if $(1,5)$ is a solution to the system of linear inequalities graphed in part (a).

