Linear Systems Quiz 2   Name:_____

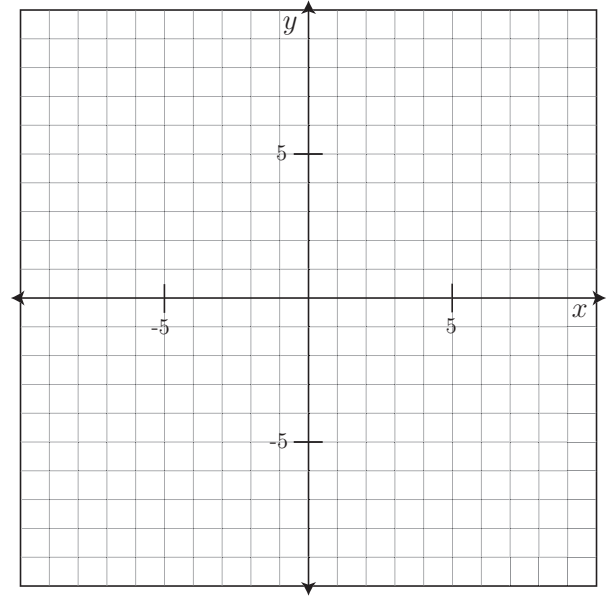 You may use a calculator to verify solutions, but not to provide them.

Show all relevant work!

1. *Estimate* the solution to this system by graphing.

$$\ell_1:\ 2x - 5y\ =\ -16$$
$$\ell_2:\ \ x + 2y\ =\ 1$$

2. Solve the system in #1 by substitution.

3. Write a system of equations (involving two variables in each equation) for which the solution is $(4, -5)$.

4. Find the points indicated on the graph.

$$\ell_1: \quad 5x + 2y \quad = \quad 14$$
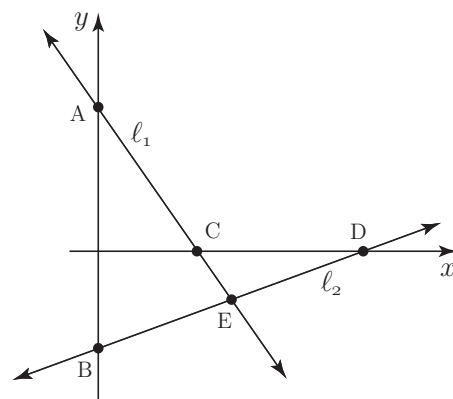$$\ell_2: \quad 2x - 6y \quad = \quad 18$$

A:_____

B:_____

C:_____

D:_____

E:_____

5. Do problem #15 from book section 6.4 here.