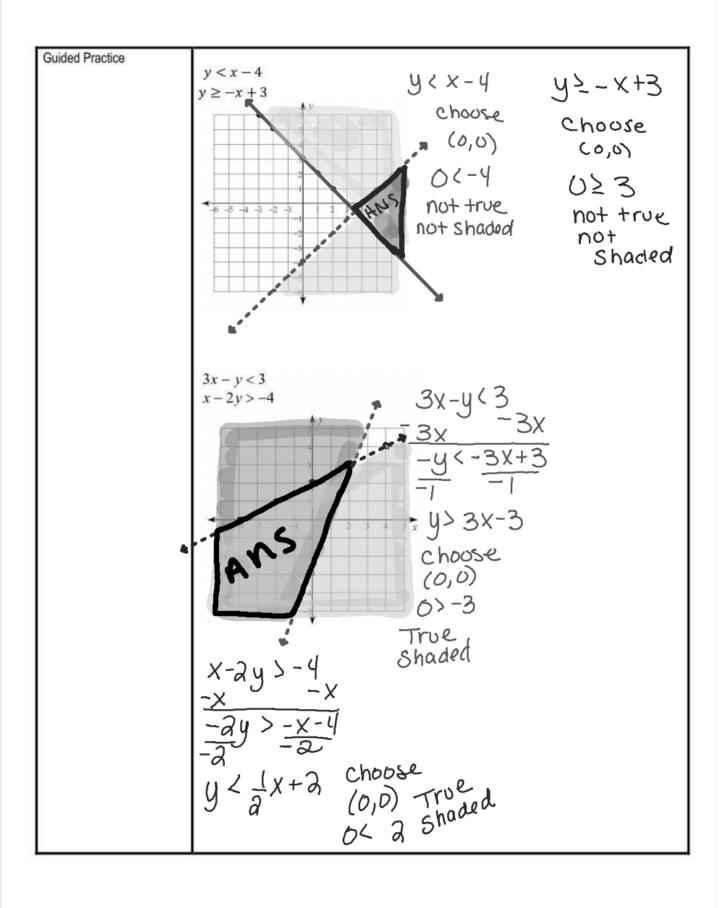
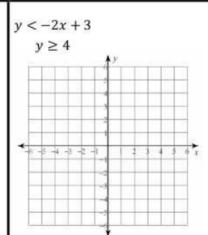
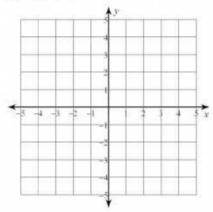
| Name:                                                                                                                                                                                |                                                                                      | Date:                                                                                                                                                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Topic/Objective:                                                                                                                                                                     | 6.6 Solve systems of linear inequalities                                             | Class/Period:                                                                                                                                                                                                                                |  |
| Questions/Main Ideas:                                                                                                                                                                | Notes:                                                                               |                                                                                                                                                                                                                                              |  |
| Steps to Graph a systems of linear Inequalities  Step 1: Graph both inequalities on the same plane.  Step 2: Determine the are where the shading overlay and write the word "ANSWER" | $y \leq 3x + 6$ $A_{NS} \cup E^{P}$ $y$                                              | hoose (0,0)<br>15-2<br>True; shaded<br>£3x+6<br>hoose (0,0)<br>£6<br>True; shaded                                                                                                                                                            |  |
|                                                                                                                                                                                      | SWER CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>CH<br>C | $ \begin{array}{c c} -y > 1 \\ \hline -x \\ -x \\ \hline -x \\ -y > -5x \\ -y > -5x \\ -y > -5x \\ -1 \\ -1 \\ y < 5x + 3 \\ -1 \\ y < 5x + 3 \\ -1 \\ y < 5x + 3 \\ -1 \\ -1 \\ y < 5x + 3 \\ -1 \\ -1 \\ -1 \\ -1 \\ -1 \\ -1 \\ -1 \\ -1$ |  |





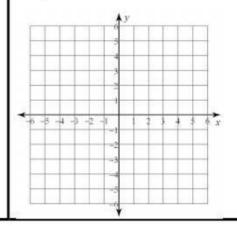
$$2x + 3y \ge -9$$
$$4x - 3y < -9$$

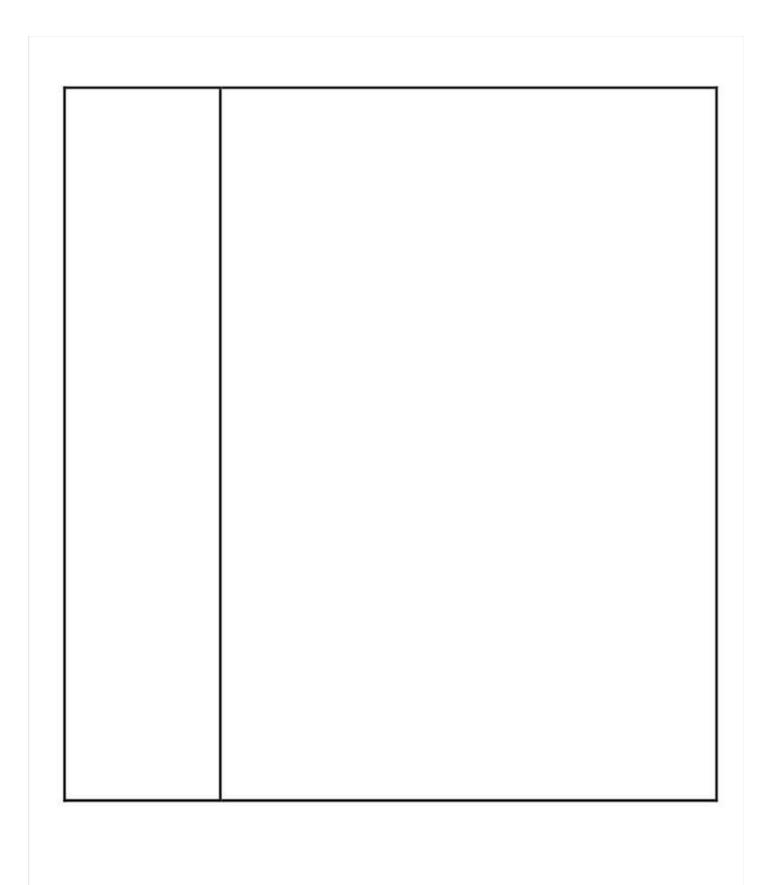


$$y \ge -1$$

$$x > -2$$

$$x + 2y \le 4$$





| Summary: |  |  |
|----------|--|--|
|          |  |  |