Name:
Final Exam Review Day 4
Period: Date:
Unit 2 - Systems of Equations and Inequalities
Inequalities

| Solving $2(x-1)+5>12$ | Solving when multiplying or dividing by a <br> negative number <br> $6-3 x \leq-3$ |
| :--- | :--- |
|  |  |

Compound Inequalities

| AND | $7<3(x-1)+4 \leq 25$ | OR |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |

Systems of Equation: No Solution, One solution, Infinitely Many Solutions

|  | No Solution | One Solution | Infinitely Many |
| :---: | :---: | :---: | :---: |
| Graph |  |  |  |
| Algebra |  |  |  |

2016-2017 LC Math I
Final Exam Review Day 4

Name:
Period: Date:

## Solving Systems of Equations

| By Graphing $\left\{\begin{array}{c} y=\frac{3}{5} x-4 \\ 5 x-3 y=-4 \end{array}\right.$ |  |  | By Substitution $\left\{\begin{array}{l} 2 x+y=9 \\ x+3 y=2 \end{array}\right.$ |
| :---: | :---: | :---: | :---: |
| By Elimination | $\left\{\begin{array}{c} 2 x+4 y=12 \\ 5 x+3 y=2 \end{array}\right.$ |  | Word Problems <br> Mary and Shawn are selling plain and patterned wrapping paper. Mary sold 5 plain rolls and 14 patterned rolls for $\$ 380$. Shawn sold 10 plain and 7 patterned rolls for $\$ 340$. How much does each type of paper cost? |

## Linear Inequalities

Linear Inequality
$y+3<\frac{3}{4}(x+6)$


System of Linear Inequalities

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



