1. Simplify
2. Add .
3. Simplify
4. Simplify
5. Solve 3x – 4y = -8, for y.
6. Solve and graph the following inequality;

1. Find the equation of the line that contains the point (0, -3), and is perpendicular to 3x – 4y = 14
2. Let f(x) = 3x + 4, g(x) = x- 2, and h(x) = 2x-3 find
3. h(g(3))
4. Graph 4x – 8y 16
5. Find the slope and y intercept of

4x + 8y =14

1. Sarah left a $2.50 tip for a 18 dollar dinner. What percent of cost of dinner was the tip?
2. Find y if the line through   
   (-6,1) and (2,y) has a slope of 5/4.
3. Solve the following system.

x - 2y = 5

4x + 3z = 11

5y + 4z = -12

1. Solve the following system

-13x + 15y = 17

12x – 14y = 19

1. Graph the solution set for the system of linear inequalities.

2x + y 5

3x - 2y -4

1. Suppose Upward Bounds costs $4,000 per summer to use utilities, plus $13 per student for food. If they didn’t get grants, they would have to charge $150 per student.
2. Find the expression for the cost, revenue, and profit.
3. What is the break-even point?
4. Multiply

Solve.

1. 90x2 + 60x = 80
2. Given that f(x) = x2 - 6x + 3, find .
3. Divide.
4. Subtract.
5. Simplify.
6. Solve.