1. Solve the following system.

-2x + 4y + 4z = 7

-2x + 3y – z = 1

-4x + 2y – 4z = -4

1. Solve the following system

2x + 3y = 7

4x – 5y = 11

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

x – 2y 4

2x + 3y < 6

1. Suppose Upward Bounds costs $5,000 per summer to use utilities, plus $10 per student for food. If they didn’t get grants, they would have to charge $100 per student.
2. Find the expression for the cost, revenue, and profit.
3. What is the break-even point?
4. Multiply

Solve.

1. 6x2 + 14x = 40
2. Given that f(x) = x2 + 2x – 8, find .
3. Divide.
4. Subtract.
5. Simplify.
6. Solve.