**Problem Solving Process Linear Equations**

Situation –>–>–> Translate into math

Find the numbers

Find the relationships

(+, -, ÷, •)

(=, ≤, ≥)

Determine what the "physical things" are (cereal? cookies?)

Choose variable names (x and y?)

Simplify (if necessary)

Graph (to picture the problem)

Read the graph to solve

Best answers are on the corners of the feasible region

most profitable? Check high corners

least amount? Check lower corners

Situation <–<–<– Translate solution back into English