5) Define a variable and write an algebraic equation to model the problem. Then, solve the equation.

Antonio is choosing between two cell phone plans that offer the same amount of free minutes. T–Mobile's plan charges $39.99 per month with additional data costing $0.45 per MB(megabyte) used. Verizon's plan costs $44.99 with additional MB of data at $0.40. How many additional MB of data, **d**, will it take for the two plans to cost the <u>**same**</u>?

SAVE SPACE FOR FOLDABLE!!!**

ONE Solution	NO Solutions	INFINITE Solutions

Day 6 Practice: Variables on Both Sides   **#6**

Answers are NOT in order: –11   –3   0   3   –4   one answer is used twice

1. $5 - 3x = 14$	2. $2x + 4 - 7x = 59$
3. $6x - 1 = 2x + 11$	4. $-2(10 - 5x) = -60$