**Directions** – Your job as a “Math Detective” is to look for ***clues*** which help you decide how to approach your case. Your job is to isolate the variable to determine who the bad guy (answer) is in several unsolved cold cases. Solve the following cold cases and you will be promoted to Lead Detective. Good Luck!

**Cold Case #1 Cold Case #2 Cold Case #3**

1/2m = 4.5 3/4m = 12 5/6m = 10

**Cold Case #4 Cold Case #5 Cold Case #6**

36 = 6/7m 1.1 = 1/6m 2/3m = -4

**Cold Case #7 Cold Case #8 Cold Case #9**

-5/8m = 12 -11/13m = -22 -56 = 8/7m

**Reflection**: Write your memoirs as a lead detective and tell the world how you solved so many cold case files.