### Title:
Solving for Intersections between two functions using Solver

### Description:
Example Problem

### Input:
Assume the following functions:

1. \( y = 2x + 6 \)
2. \( y = 2x^2 + 3x - 20 \)

### Guess Values:
- \( x = 5 \)
- \( y = 10 \)

- \( 2x + 6 - y = 6.000 \)
- \( 2x^2 + 3x - 20 - y = 35.000 \)

- \( c25 + c26 = 41.000 \) This cell will be set to 0

### Note:
Make sure this box is not checked if the result is possibly negative.

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#### Solver Parameters

**Set Objective**: $C$20

**To**: Min

**By Changing Variable Cells**: $C22$:$C23$

**Subject to the Constraints**:
- $C25 = 0$
- $C26 = 0$

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107_Solving_Intersections_with_Solve.xlsx
12/4/2013
After Solving:

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**Guess Values:**

- \( x = 3.364208 \)
- \( y = 12.72842 \)

\[ 2x + 6 - y = 0.000 \]
\[ 2x^2 + 3x - 20 - y = 0.000 \]
\[ c25 + c26 = 0.000 \] \( \text{This cell will be set to } 0 \)

Note that this is the intersection on the right of the Y axis.

You would need to specify guess values well to the left of the Y axis in order to determine the other solution set.