**VARIABLES PRACTICE** Name:

**I. Statistics Review – Do now…**

*Directions: First, describe what the statistic below tells us AND how it can be important to your data analysis. Second, write the steps to find the formula and what the abbreviation for it in Excel is.*

a. Average or Mean:

b. Median

c. Mode:

d. Standard Deviation:

**II. Mr. F’s Identifying Variables Activity**

*Directions: Complete the “Notes” sections with material from Mr. F’s PowerPoint. Ask questions.*

Notes:

What is a variable?

Scenario 1:

**Your guess** **Actual Answer (blank if guess is correct)**

Variable 1: Variable 1:

Variable 2 Variable 2:

Scenario 2:

**Your guess** **Actual Answer (blank if guess is correct)**

Variable 1: Variable 1:

Variable 2 Variable 2:

Scenario 3:

**Your guess** **Actual Answer (blank if guess is correct)**

Variable 1: Variable 1:

Variable 2 Variable 2:

Scenario 4:

**Your guess** **Actual Answer (blank if guess is correct)**

Variable 1: Variable 1:

Variable 2 Variable 2:

Notes:

2 names for a variable that is deliberately changed during an experiment

1.

2.

Situation 5:

**Your guess** **Actual Answer (blank if guess is correct)**

Which variable is being manipulated?

Situation 6:

**Your guess** **Actual Answer (blank if guess is correct)**

Which variable is being manipulated?

Situation 7:

**Your guess** **Actual Answer (blank if guess is correct)**

Which variable is being manipulated?

Situation 8:

**Your guess** **Actual Answer (blank if guess is correct)**

Which variable is being manipulated?

Situation 9:

**Your guess** **Actual Answer (blank if guess is correct)**

Which variable is being manipulated?

Notes:

2 names for the variable that changes as a result of the manipulation.

1.

2.

Situation 11:

**Your guess** **Actual Answer (blank if guess is correct)**

MV/IV

RV/DV

Situation 12:

**Your guess** **Actual Answer (blank if guess is correct)**

MV/IV

RV/DV

Situation 13:

**Your guess** **Actual Answer (blank if guess is correct)**

MV/IV

RV/DV

Situation 14:

**Your guess** **Actual Answer (blank if guess is correct)**

MV/IV

RV/DV

Situation 15:

**Your guess** **Actual Answer (blank if guess is correct)**

MV/IV

RV/DV

Situation 16:

**Your guess** **Actual Answer (blank if guess is correct)**

MV/IV

RV/DV

Notes:

The MV/IV is always graphed on which axis of a graph?

The RV/DV is always graphed on which axis of a graph?

What is the acronym for where to graph the DV/RV?

What is the acronym for where to graph the IV/MV?

Put these together, what is the acronym for properly placing variables on a graph?