

NORMAL CURVE LESSON: EXCEL SEQUENCING

Step One: Create at least seven Dots using the "Insert" tab, and choose a circle from the "Basic Shape" menu. Size them all as shown.

Step Two: Place one point at the intersection of two grid lines near the top of the page.

Step Three: Place two more dots, down ten standard height rows, and to the left and right four standard width columns.

Step Four: Place two more dots, down another five standard height rows, and to the left and right another three standard width columns.

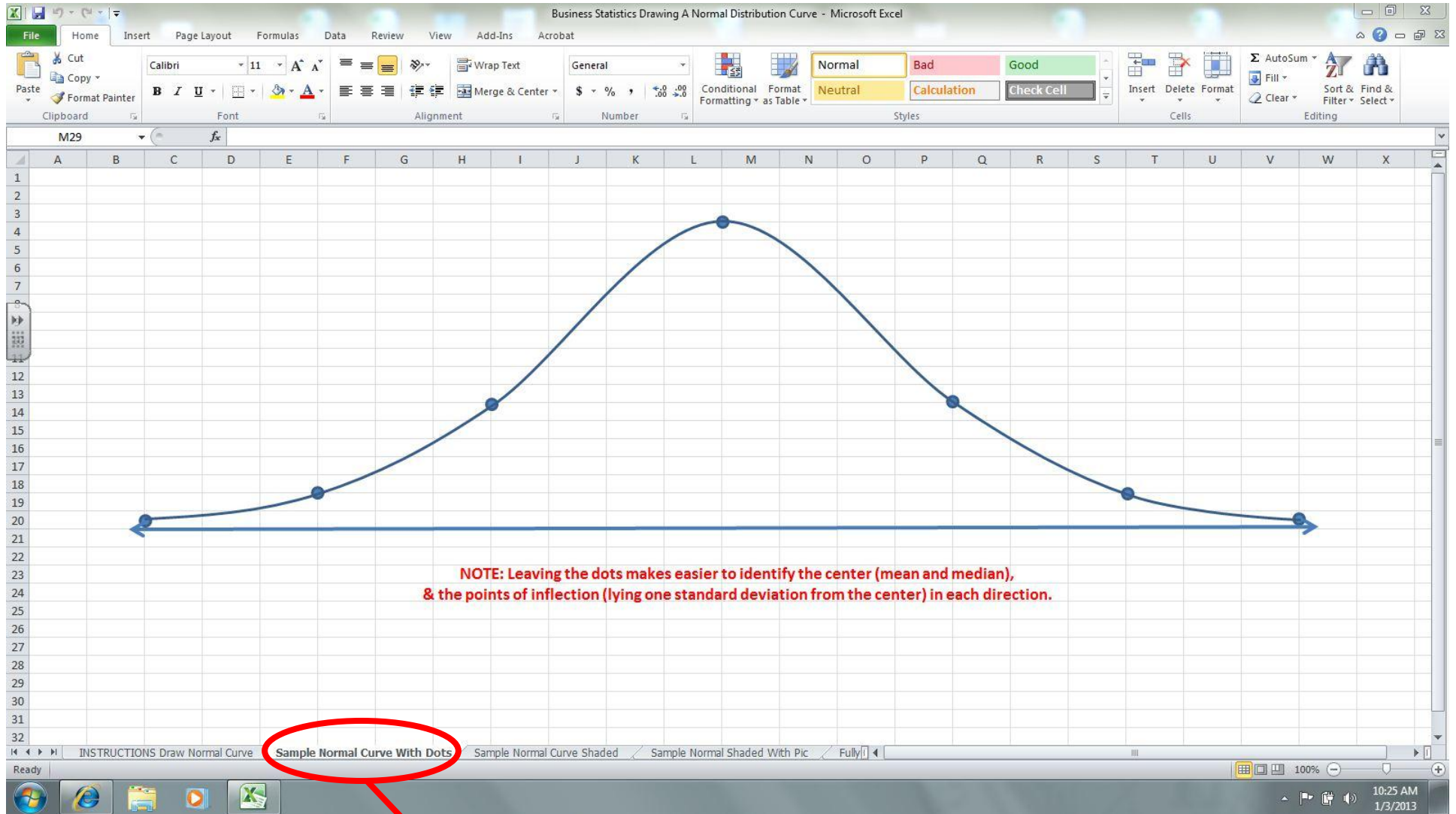
Step Five: Place two more dots, down another 1.5 standard height rows, and to the left and right another three standard width columns.

Step Six: Connect the dots using a "Curve" Line selected from the "Insert" tab, "Shapes" menu (do not use "Curved Connector"). Draw the curve by holding down the left click button beginning at the leftmost dot. Hold the left click button while scrolling to the next dot. Once you reach the second dot, release the button for an instant, then redepess it and proceed to the next dot. Repeat the process until you reach the rightmost dot. Double left click on the rightmost dot to terminate the curve.
NOTE: IT TAKES PRACTICE BUT IT GETS EASIER AFTER A FEW TRIES.

Step Seven: Add a straight line with arrows just below the curve. **DO NOT** let the curve touch the line.

INSTRUCTIONS Draw Normal Curve

**DRAW NORMAL CURVE:
Sequenced Instruction**



PROGRESS SNAPSHOT:
Compare Work To Sample

Business Statistics Drawing A Normal Distribution Curve - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Add-Ins Acrobat

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11

Normal Bad Good Neutral Calculation Check Cell

AutoSum Fill Sort & Filter Find & Select

B32

A B C D E F G H I J K L M N O P Q R S T U V W X

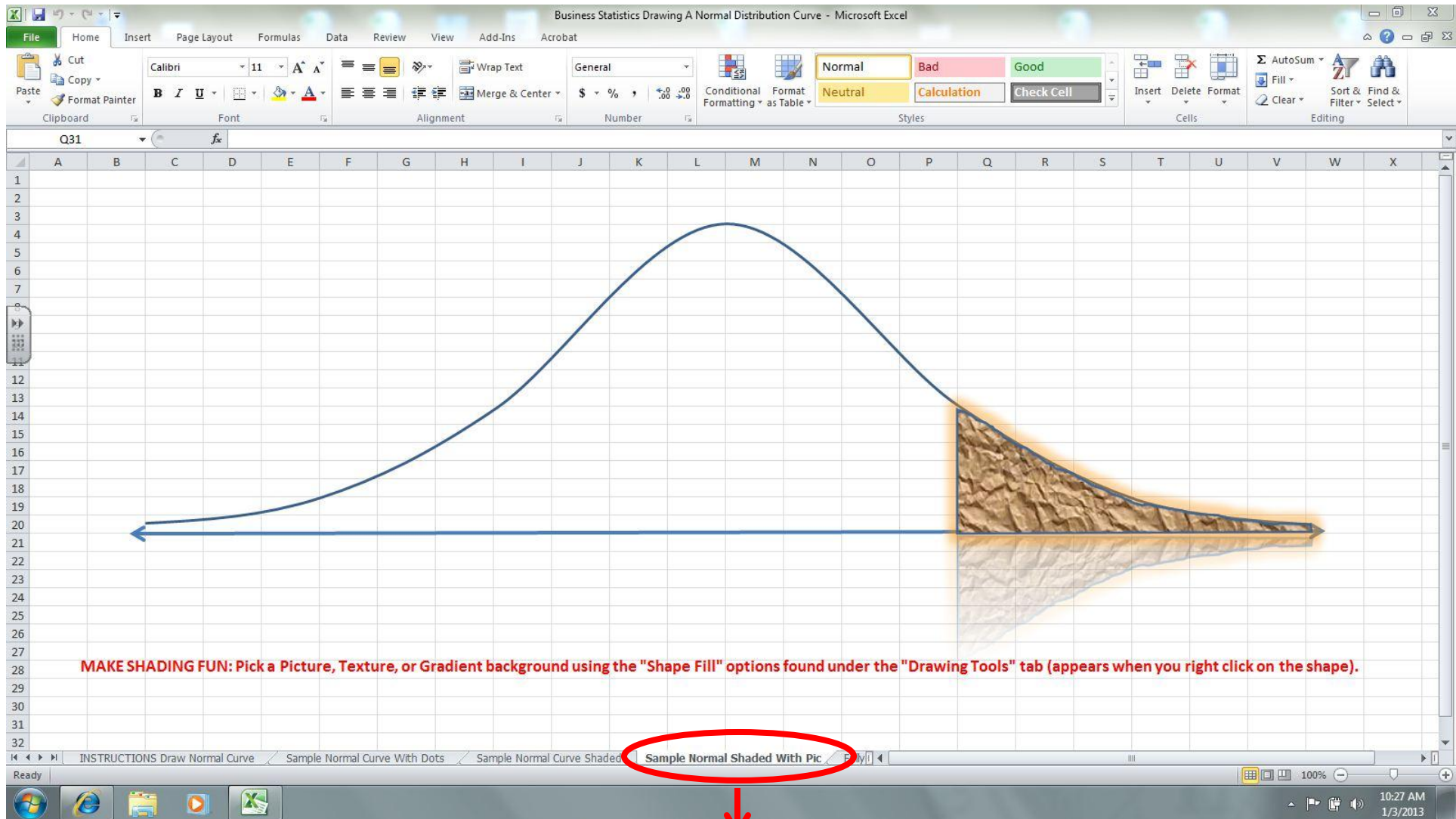
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

HOW TO SHADE?: Shading is best accomplished by using the "Freeform" Line found in the "Shapes" menu of the "Insert" Tab. Start by left clicking on the point of the normal curve where the shading is to begin. Draw the straight vertical boundary for shading by left clicking on the horizontal axis. Draw the straight lower horizontal boundary by left clicking on the end of the horizontal axis (next to the arrow). Finish the upper shading boundary by using the touch pad to carefully trace along the normal curve while depressing the left click button.

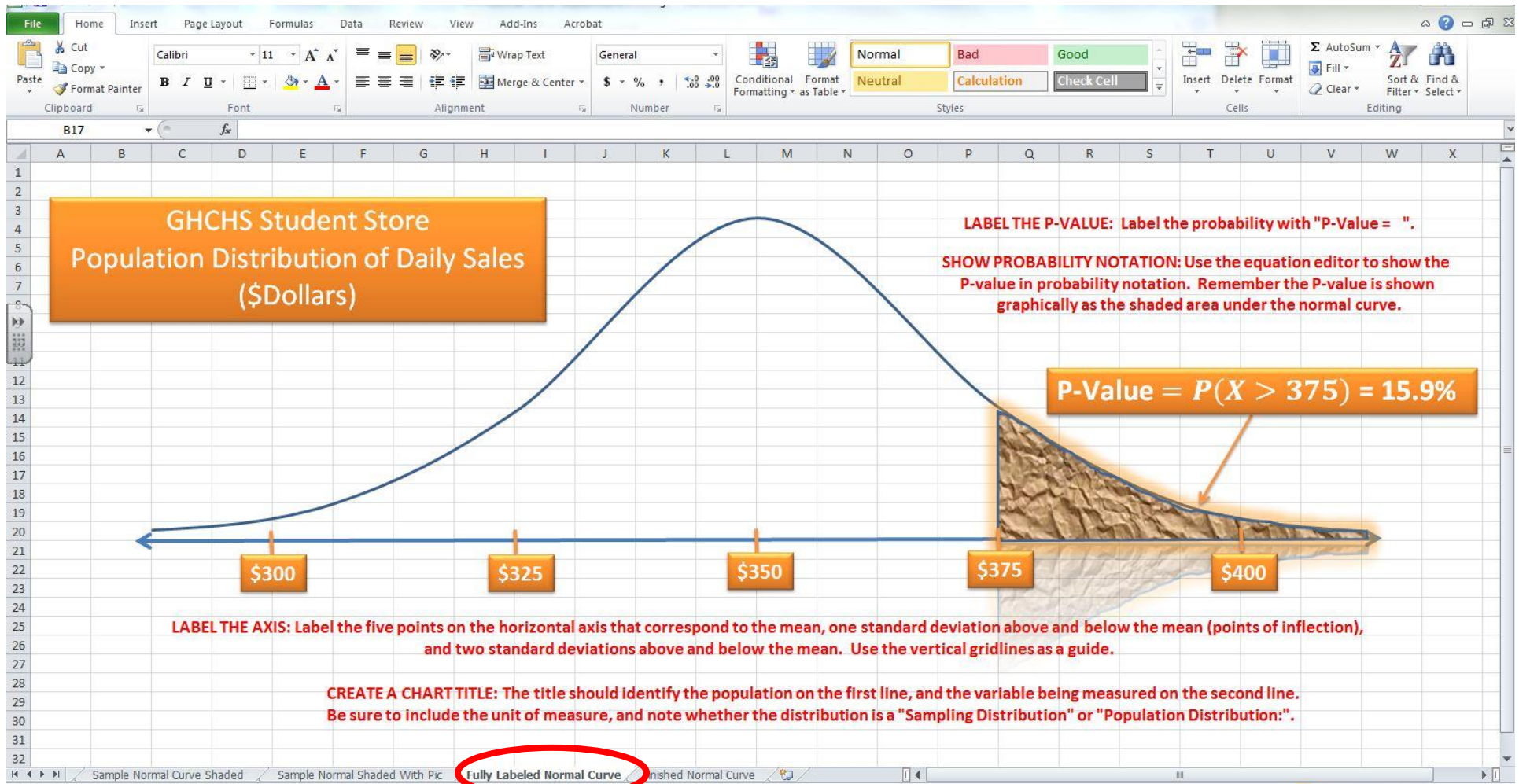
INSTRUCTIONS Draw Normal Curve Sample Normal Curve With Dots **Sample Normal Curve Shaded** Sample Normal Shaded With Pic Fully

Ready 100% 10:26 AM 1/3/2013

**INSTRUCTION PROCEEDS:
Shading Probability Region**



INTEGRATE ART:
Students Enjoy Personalizing Their Work



FOCUS ATTENTION:

Students Highlight Key Elements of Normal Distribution

The Finished Product

