

**1<sup>st</sup> GRAPHICS ASSIGNMENT - DEMONSTRATING SYMMETRY & ALIGNMENT****File Name:**

- Demonstrating Symmetry & Alignment
- Save to Your Folder

**Page Setup:**

- Orientation=Landscape
- Margins: Top = 1.5"; Bottom = 2", Left & Right = 1"
- Page Border: 3pt width, **Measured from Text** 10pt (top, bottom, left & right)

**Heading:**

- Create a textbox for you heading - size box appropriately for text
- Use 10 pt font
- Use **More Layout Options** to place the textbox as follows: **Absolute Position**
  - Horizontal: 9" to the right of Page
  - Vertical: .5" below Page ( ½ INCH)
- Remove both line and fill color from box

**Title:**

- Main Title - **DEMONSTRATING SYMMETRY & ALIGNMENT** (Centered, bold, underlined, 24pt font)
- Sub Title - **MIRROR REFLECTION** (Centered, bold, 24 pt font)
- Use **Paragraph Spacing** to space sub-title 6pt below main title (think about this)

**Drawing Graphics: Demonstrating Symmetry & Alignment**

- Draw three autosshapes, of your choosing, to demonstrate the following symmetrical concepts (**You cannot use my examples**)
  - Vertical Symmetry Only
  - Horizontal Symmetry Only
  - Vertical & Horizontal Symmetry
- Format Autosshapes as follows:
  - Size - 2.5" height and width
  - Shape Fill & Outline - Use **three different** fill colors & line colors (**Do not** use patterns)
  - Line Style=Single Solid Line; Line Weight=6 pt (**Do not** use multiple or dashed lines)
- Bisecting Lines
  - Use 2.5" lines to bisect the objects, showing their lines of symmetry vertically & horizontally
  - All lines should be same color, 3 pt weight (use a different color than shape outlines)
  - Align lines with autosshapes to demonstrate line of symmetry and **Group** lines with their autosshapes
- Align Autosshapes as follows:
  - Vertical Symmetry (Horizontal - Left Margin, Vertical - Middle of Page)
  - Horizontal Symmetry (Horizontal - Right Margin, Vertical - Middle of Page)
  - Vertical & Horizontal Symmetry (Horizontal – Center of Margins, Vertical – Middle of Page)
- Use textboxes to label each example (autosshapes), as follows:
 

(Hint: create one textbox, then copy/paste and edit text; remember – fit box to text – start with biggest)

  - Vertical Symmetry
  - Horizontal Symmetry
  - Vertical & Horizontal Symmetry
  - Format Textboxes as follows: (Note: boxes must be of equal height to align properly with each other)
    - 16 pt font, bold
    - Text - center aligned in box
    - Remove shape fill & outline
- Align/Position Textboxes relative to page and autosshapes as follows:
  - Align boxes with bottom margin
  - Tops of textboxes should align with each other (Note: if boxes are sized equally, their tops will already be aligned)
  - Center align each box relative to its autosshape
- Note: If Autosshape moves when aligning with box, you may need to re-position
  - You may want to "group" shape with textbox before doing this