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Cartesian Calculator Project ()

**Directions:** Create at least ten unique functions that form the shape of a real-life object, drawing, or picture. Use at least one of each of the following types of curves: {polynomial, trigonometric, exponential, logarithmic, and conic} **(50 points)**. All of these functions must be solved explicitly for (**10 points**). After you have created a sketch of the functions, create a finalized product on graph paper of your overall design (**15 points)**. Color your finalized product **(5 points)**. Graph your design using your graphing calculator (**15 points**). Write the domain of each function below in interval notation (**5 points**).

**Calculator Input:**

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| TI-84 | TI-nspire |
| To type the or symbols, press then press . | To type the < or > symbols, press then press . |

**Functions:**

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