|  |  |  |  |
| --- | --- | --- | --- |
| Example 2:$$f\left(x\right)=x^{2}-6$$ |  |  | Example 1:$$f\left(x\right)=\left|x-1\right|$$ |
| Example 4:$$f\left(x\right)=(x+1)^{2}+3$$ | Glue this side down! | Example 3:$$f\left(x\right)=-\sqrt{x+4}$$ |
| Example 6:$$f\left(x\right)=-\frac{1}{5}x^{3}+5$$ |  |  | Example 5:$$f\left(x\right)=3(2)^{x+2}-5$$ |
| Parent Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Transformations:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x** | -2 | -1 | 0 | 1 | 2 |
| **Old** | 2 | 1 | 0 | 1 | 2 |
| **New** |  |  |  |  |  |

 |  | Parent Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Transformations:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x** | -2 | -1 | 0 | 1 | 2 |
| **Old** | 4 | 1 | 0 | 1 | 4 |
|  |  |  |  |  |  |

 |  |
| Parent Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Transformations:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **x** |  |  |  |  |
| **y** |  |  |  |  |

 |  | Parent Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Transformations:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **x** |  |  |  |  |
| **y** |  |  |  |  |

 |  |
| Parent Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Transformations:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **x** |  |  |  |  |
| **y** |  |  |  |  |

 |  | Parent Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Transformations:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **x** |  |  |  |  |
| **y** |  |  |  |  |

 |  |