Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HWK Basic Functions revisited. Hour\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| Parent Linear Function | Parent Quadratic Function | Parent Cubic Function | Parent nth power Function |
| Parent Square Root Function | Parent Cube Root Function | Parent nth Root Function | Parent natural base Function |
| Parent base 10 Function | Parent base b Function | Parent natural base LOG Function | Parent common base LOG Function |
| Parent base b LOG Function | Parent Reciprocal Function | Parent Absolute Value Function | Parent Greatest Integer Function |
| Parent Logistic Function | Parent Sine Function | Parent Cosine Function | Parent Tangent Function |

I expanded our list to the TWENTY most basic functions that you would encounter in a PRE-CALCULUS COURSE

|  |  |  |  |
| --- | --- | --- | --- |
| Parent Linear Function | Parent Quadratic Function | Parent Cubic Function |  |
| Parent Square Root Function |  |  | Parent natural base Function |
|  |  | Parent natural base LOG Function |  |
|  | Parent Reciprocal Function | Parent Absolute Value Function | Parent Greatest Integer Function |
| Parent Logistic Function | Parent Sine Function | Parent Cosine Function |  |

ANSWER the questions below using the NON-highlighted functions first

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Now investigate the same questions using ONLY the highlighted functions

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | Parent nth power Function |
|  | Parent Cube Root Function | Parent nth Root Function |  |
| Parent base 10 Function | Parent base b Function |  | Parent common base LOG Function |
| Parent base b LOG Function |  |  |  |
|  |  |  | Parent Tangent Function |

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A close-up of a paper

Description automatically generated[DESMOS LINK](https://www.desmos.com/calculator/qbpl3d1fhc)