**INTRODUCTION TO FUNCTIONS**

**FUNCTIONS**

|  |  |
| --- | --- |
| 1. Find the domain of the function | 1. Ifthen find |
| 1. Without using a calculator, make a rough sketch of the graphs: | 1. Find the domain of the function: |
| 1. If , evaluate . | 1. Find for |
| 1. If find . | 1. Find the inverse of the function: . |

**GRAPHING**

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| --- | --- |
| 1. Graph y = 3x + 1 | 1. Graph |
| 1. Graph 2y - 4x = 8 | 1. Graph |
| 1. Identify the vertex and axis of symmetry and then graph | 1. Graph |
| 1. Graph | 1. Find the coordinates of the vertex for the parabola defined by the given quadratic equation: |
| 1. Graph:   **EVALUATING FUNCTIONS**   1. If , find g(2), g(x), g(x + 2). 2. If , find 3. If and   find | 1. Find the minimum or maximum value and determine where it occurs and identify the functions domain and range: 2. If and   find g |
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