**EQUATION OF A LINE Lesson 3**

**DETERMINE INTECEPT, RATE OF CHANGE, EQUATION OF A LINE**

**Guided Practice**

**1.**

|  |  |
| --- | --- |
| **Input** | **Output** |
| **2** | **5** |
| **3** | **7** |
| **4** | **9** |
| **5** | **11** |
|  |  |

**What is the INTERCEPT?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the RATE OF CHANGE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the EQUATION OF THE LINE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. A rental car company charges a fee of $30 and $10 a day. How much will it cost to rent a car**

**What is the INTERCEPT?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the RATE OF CHANGE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the EQUATION OF THE LINE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. (3,9) (4, 12) (6, 18) (X, Y)**

**What is the INTERCEPT?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the RATE OF CHANGE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the EQUATION OF THE LINE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Creating a line from points (-4,5) and (-2 5) only**

**What is the INTERCEPT?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the RATE OF CHANGE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the EQUATION OF THE LINE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Creating a line from a Graph**

**What is the INTERCEPT?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the RATE OF CHANGE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is the EQUATION OF THE LINE?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



