Review Day 3 Worksheet

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** Indicate whether the following representations are **linear**, **exponential**, or **neither** on the line provided. Provide a **justification** for each answer.

1. 3, 6, 9, 12… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Justification:

1. 180, 160, 140, 120… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Justification:

1. 8, 16, 32, 64, 128… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Justification:

|  |  |
| --- | --- |
| 0 | 100\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Justification: |
| 1 | 150 |
| 2 | 200 |
| 3 | 250 |
| 4 | 300 |
| 5 | 350 |

5.

|  |  |
| --- | --- |
| 0 | 50\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Justification: |
| 1 | 25 |
| 2 | 12.5 |
| 3 | 6.25 |
| 4 | 3.125 |
| 5 | 1.5625 |

6.

|  |  |
| --- | --- |
| 0 | 19\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Justification: |
| 1 | 15 |
| 2 | 11 |
| 3 | 7 |
| 5 | -1 |
| 7 | -9 |

7. A plumber charges a fee of $80 to come out to your house plus an additional $45 an hour

****8-10. Choose **3** of the problems from # 1 –7 and **create an equation** and **sketch a graph** for each of them.

 a.

**** b.

****

 c.