Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_\_ HomeFUN Qrt. 3 Jan. 23 - 27, 2017

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Monday 1.23.17 (8.F.2):**  Compare the following functions to determine which has the greater rate of change: 1. Function 1 Function 2 y = 2x + 7

|  |  |  |  |
| --- | --- | --- | --- |
|  x | -2 | 0 | 2 |
|  y | -3 | 3 | 9 |

 2. Function 1: Mike currently has $25. His mother gives him $5 more per week.  Function 2: Ronny has $20 at the start of his day. He spends $2 on each snack that he buys.3. Compare the following functions to determine which has a negative slope:Function 1: y = 15 – 5x Function 2: y = 15 + 5x |
| **Tuesday 1.24.17 (8.F.3):** Determine if each function is linear or nonlinear. Explain your reasoning.

|  |  |
| --- | --- |
|  x |  y |
|  1 |  8 |
|  3 |  9 |
|  5 |  11 |
|  7 |  14 |

  y = 2x + 5 |
| **Wednesday 1.25.17 (8.F.2):** Read each question. Answer the questions that follow.  |
| **Thursday 1.26.17 (8.F.2):** Read each question. Answer the questions that follow. |