**10C – RF5 V2 Relations & Functions – Graphs of Linear Relations**

**Part I:**

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| -10 | 0 |
| -5 | -2 |
| 0 | -4 |
| 5 | -6 |
| 10 | -8 |

1. Determine the following characteristics of the linear relation.
	1. *x*-intercept
	2. *y*-intercept
	3. slope
	4. domain
	5. range

**Part II:**

1. This graph shows the recommended maximum heart rate of a person as a function of his/her age for a stress test.
	1. Why are there no intercepts for this graph?
	2. What is the rate of change? What does it represent?
	3. State the domain and range.

**Part III:**

1. For the relation $y=x^{2}+3:$
	1. Determine the *x* and *y-*intercepts.
	2. State the domain and range.