**Unit 1 Assessment Review Questions**

1. Sketch the graph of y = 3/4x – 2.
2. Write the equation of the line in slope intercept form that passes through the given points (1, -3) & (2, 3).
3. Write the equation of the line in point-slope intercept form that passes through the given point (2, 3) and has a slope of 2.
4. Determine the x-and y-intercepts of 3x – 4y = 24
5. Write the equation y = -2x + 5 in standard form.
6. Describe the slopes of parallel and perpendicular lines. How are they similar or different?
7. Write the equation of the line that passes through the given point (-2, 6) and is perpendicular to the given line y = 1/2x – 3.
8. Graph the inequality y$ \geq $ -2x + 3. Use graphing paper.
9. Plot the points on the graph and determine the association. Use graphing paper.

|  |  |
| --- | --- |
| **x** | **y** |
| 1 | 2 |
| 2 | 3 |
| 3 | 3 |
| 4 | 4 |
| 5 | 6 |
| 6 | 7 |
| 7 | 7 |

1. Identify the domain and range of the relation (4, 1), (2, 3), (0, 4), (5, 3).
2. Is the relation a function

|  |  |
| --- | --- |
| **x** | **y** |
| 1 | 2 |
| 2 | 3 |
| 3 | 3 |
| 4 | 4 |
| 5 | 6 |
| 6 | 7 |
| 7 | 7 |

1. Is the graph of x = 2 a function?

**Vocabulary**

1. Slope
2. Slope-intercept
3. Undefined
4. x-and y-intercepts
5. Perpendicular