**2.4 Linear Functions**

**CLASSROOM EXAMPLE 1 Graphing a Linear Function Using Intercepts**

|  |  |
| --- | --- |
| Graph  Give the domain and range. | Dotted_grid_full_10_X_10 |

**CLASSROOM EXAMPLE 2 Graphing a Horizontal Line**

|  |  |
| --- | --- |
| Graph  Give the domain and range. | Dotted_grid_full_10_X_10 |

**CLASSROOM EXAMPLE 3 Graphing a Vertical Line**

|  |  |
| --- | --- |
| Graph  Give the domain and range of this relation. | Dotted_grid_full_10_X_10 |

**CLASSROOM EXAMPLE 4 Graphing *Ax* + *By* = *C* (*C* = 0)**

|  |  |
| --- | --- |
| Graph  Give the domain and range. | Dotted_grid_full_10_X_10 |

**CLASSROOM EXAMPLE 5 Finding Slopes With The Slope Formula**

Find the slope of the line through the given points.

(a)  (b)  (c) 

**CLASSROOM EXAMPLE 6 Finding Slope from an Equation**

Find the slope of the line 

**CLASSROOM EXAMPLE 7 Graphing a Line Using a Point and the Slope**

|  |  |
| --- | --- |
| Graph the line passing through the point  and having slope  | Dotted_grid_full_10_X_10 |