**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U6 HWK #2** *Write Equations for Lines Given the Slope and a Point*

|  |  |
| --- | --- |
| 1. Graph a line that does the following:

Passes through the point (4, $-$3) and has a slope of $-$2.Write the equation of the line that you drew. | 1. Graph a line that does the following:

Passes through the point ($-$6, 3) and has a slope of $\frac{1}{3}$.Write the equation of the line that you drew. |

**Directions:** Write the equation for the line that has the given slope and contains the given point.

|  |  |  |
| --- | --- | --- |
| * 1. slope = 1

passes through (3, 7) | * 1. slope =

passes through (3, 4) | * 1. slope = 5

passes through (6, $-$10) |
| 1. slope = $-$2

passes through (3, 1) | 1. slope = 5

passes through (-2, 8) | 1. slope =

passes through (0, 2) |

**Directions:** Write the equation of the line.

|  |  |
| --- | --- |
| 1.

Equation:$ $ | 1.

Equation:$ $ |