## GRAPHING 2

1. Given the graph of the line, determine the following:

a. x-intercept
b. y-intercept
c. slope
d. equation
$\qquad$
2. Given the equation $y=3 x-3$, determine the following:

a. x-intercept $\qquad$
b. $y$-intercept $\qquad$
c. slope $\qquad$
d. graph $\qquad$
3. The weight of an object on earth, $E$, and its corresponding weight on the moon, $M$ is given by the formula $M=\frac{1}{6} E$.
a. Complete the table of values and graph $M=\frac{1}{6} E$.

| E | M |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |


b. How much would a 120-pound woman weigh on the moon?
c. How much would a 40-pound moon rock weigh on Earth?

## ANSWER KEY

1. a. $(2,0)$
b. $(0,5)$
c. $-5 / 2$
d. $y=-5 / 2 x+5$
2. a. $(1,0)$
b. $(0,-3)$
c. 3
d.

3. a.


b. 20 pounds
c. 240 pounds

Source: Government of $B C$ used with permission.

