Domain and Range practice
Let's list out the domain and range for each.

exponential

4) Bacteria growing in Dejuan's book bag is tripling every hour. The amount of bacteria that starts in his bag is 4 square centimeters. He does not clean out his book bag fo 4 days. 96 htS exponential $\rightarrow \times 3$ continuous


 Range Glans of $\quad y=-100 x+3000$
Domain mins $[0,30]$ Range Gallons of water $[0,3006]$
5) Ben is running from Mrs. Strong because he cannot shut his mouth and she has finally had enough. He starts off by running 10 feet and then every minute he runs 3 feet faster. He is running for 30 minutes. $\begin{array}{cc}y=10+3 x \quad \text { Linear, Continual } \\ 10+3(30) \quad \text { Domain: ins } \\ 100 & 0,30]\end{array}$
6)

7)


Write the equation to match the table given.
1.

| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
| -2 | 6 |
| -1 | 8 |
| 0 | 10 |
| 1 | 12 |

2. $\qquad$

| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
| -3 | 0 |
| -2 | 3 |
| -1 | 6 |
| 0 | 9 |

3. $\qquad$

| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
| -1 | 6 |
| 0 | 5 |
| 1 | 4 |
| 2 | 3 |

4. $\qquad$

| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
| 0 | 60 |
| 1 | 80 |
| 2 | 100 |
| 3 | 120 |

10. $\qquad$ 12. $\qquad$

| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
| 0 | 5 |
| 5 | 20 |
| 10 | 35 |
| 15 | 50 |

Graph the following linear equations.


