Name:_____Period:__   **Graphing Linear Functions**
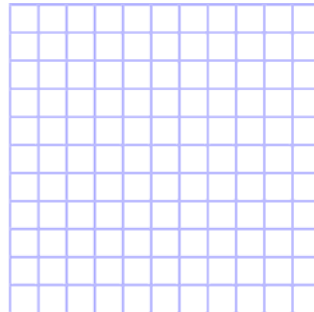
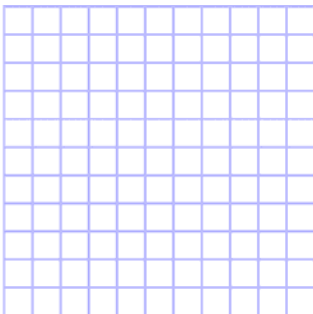**Graph each line:**

1. $y = 3x + 4$
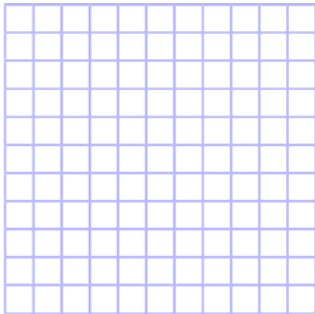
2. $y = -\dfrac{5}{3}x + 2$

3. $2x + 6y = 12$

4. $5x - 2y = 20$

Write an equation in point-slope form of the line that contains the given point and has the given slope.

5. $P(4, -1)$, slope $= 3$

Write an equation in point-slope form of the line that contains the given points.

6. $P(6, 2)$, $S(2, 4)$

7. $A(-1, 0)$, $B(-3, -1)$

8. Open up Desmos, login to your account and graph #'s 5-7, [points and equations] verify that you are correct and save the document as "TBp 169 Graphing Lines"