**Homework:** *Solve Systems of Equations by Graphing*

**Solve each system of equations by graphing.**

**1.** *y* = *x* + 4 **2.** *y* = 5*x* – 1

*y* = –2*x* – 2 *y* = 5*x* + 3





**System of Equations**

( , )

**System of Equations**

( , )

**3.** *y* = *x* – 1 **4.** *y* = 6*x* – 3

*y* – *x* = –1 *y* = –3





**System of Equations**

( , )

**System of Equations**

( , )

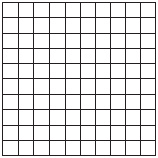
**5. Graph the situation on the coordinate plane**

COLLEGE Jeff is a part-time student at Horizon Community College.

He currently has 22 credits, and he plans to take 6   
credits per semester until he is finished. Jeff’s friend Kila is   
also a student at the college. She has 4 credits and plans to   
take 12 credits per semester. After how many semesters will   
Jeff and Kila have the same number of credits?

**System of Equations**

( , )



Jeff’s Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Kila’s Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Let x =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Let y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_