

Mrs_Lewis_Tech Math A_Period 2 Offsite_Learning_Packet_Day 6

Your name _____

Assignment # 6 Points 15

Tech Math Off-site Instruction Packet Cover Page (Periods 1,2,4)

Students, You can contact me with questions or just to say hi.

Email: LEWISJU@mwood.cc (Put your name in the subject line so I know who you are!!). I will be checking mail multiple times each day.

Topic of this assignment: 17.1 Continued (Solving systems by graphing)

What you need to know: We're still searching for the point of intersection.

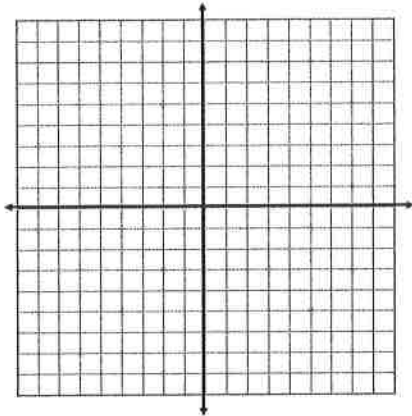
What you need to do: See #12. Search online if needed. Complete remaining problems 9-16.

Suggested Youtube/Google search: Solving systems of equations by graphing.

* Identify each solution!

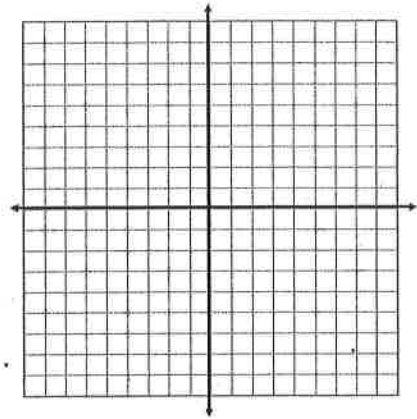
9.
$$\begin{cases} x+y=6 \\ x-y=-10 \end{cases}$$

Solution = _____



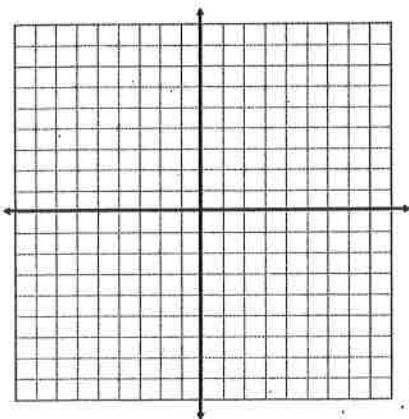
10.
$$\begin{cases} x+2y=2 \\ 2x+y=-5 \end{cases}$$

Solution = _____



11.
$$\begin{cases} 2x-3y=-8 \\ 5x+y=-3 \end{cases}$$

Solution = _____

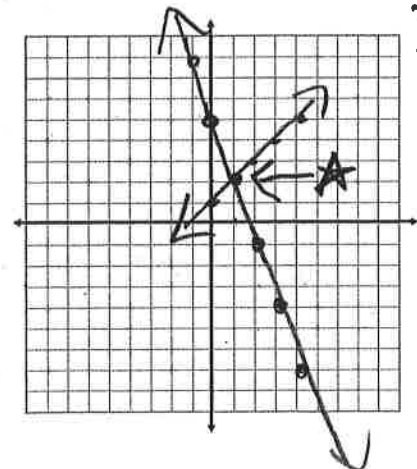


12.
$$\begin{cases} 4y+12x=20 \\ -3x+3y=3 \end{cases}$$

Solution = $(1, 2)$

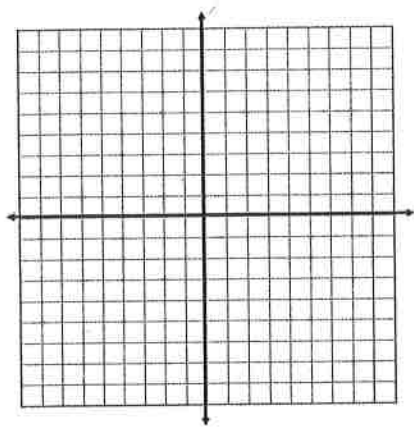
$$\begin{aligned} 4y + 12x &= 20 \\ -12x - 12x & \\ \hline 4y &= -12x + 20 \\ \frac{4y}{4} &= \frac{-12x}{4} + \frac{20}{4} \\ y &= -3x + 5 \end{aligned}$$

$$\begin{aligned} -3x + 3y &= 3 \\ +3x & \\ \hline 3y &= 3x + 3 \\ \frac{3y}{3} &= \frac{3x}{3} + \frac{3}{3} \\ y &= x + 1 \end{aligned}$$



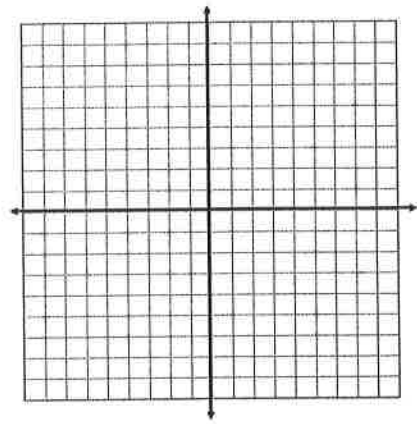
13.
$$\begin{cases} x - 3y = 1 \\ 3x + y = -7 \end{cases}$$

Solution = _____



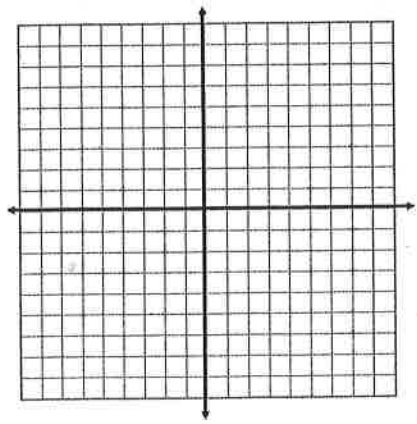
14.
$$\begin{cases} x + 3y = -6 \\ 3y - x = -12 \end{cases}$$

Solution = _____



15.
$$\begin{cases} y = -5x + 8 \\ y - 2x = 1 \end{cases}$$

Solution = _____



16.
$$\begin{cases} 2x + y = 0 \\ 3x - y = -10 \end{cases}$$

Solution = _____

