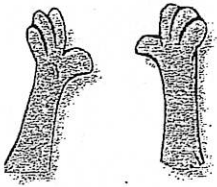


Systems of Linear Equations

Keep in mind, SYSTEMS OF LINEAR EQUATIONS allow for us to evaluate two linear equations at the same time!!!

Remember how we found out how many solutions a system had by using our arms?



NONE



ONE



INFINITE

ACTICE:

Use the graph to the right to determine whether the system of linear equations has NONE, ONE, or INFINITE solutions.

① $y = -x - 3$
 $y = x - 1$

ANSWER:

② $2x + 2y = -6$
 $y = -x - 3$

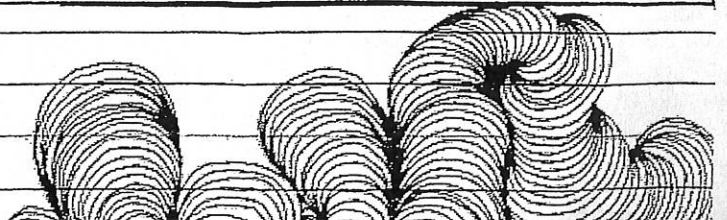
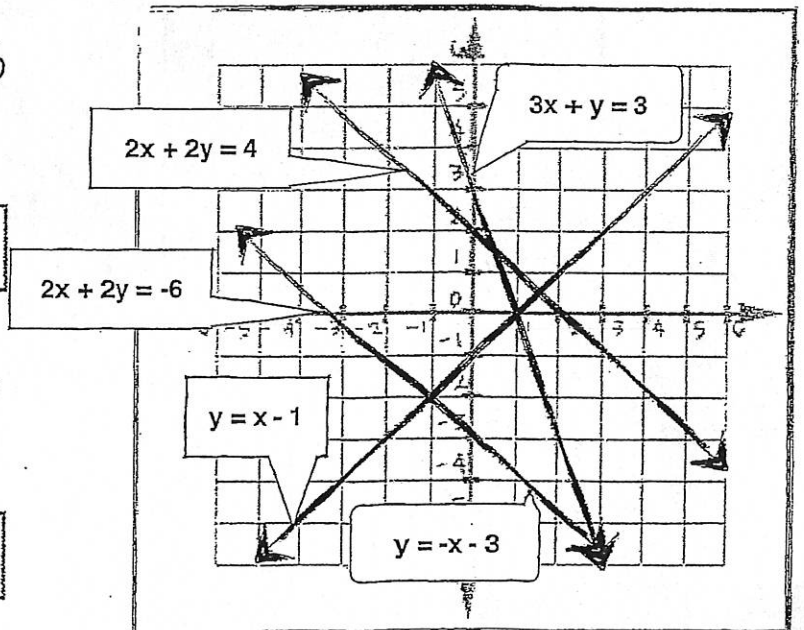
ANSWER:

③ $y = -x - 3$
 $2x + 2y = 4$

ANSWER:

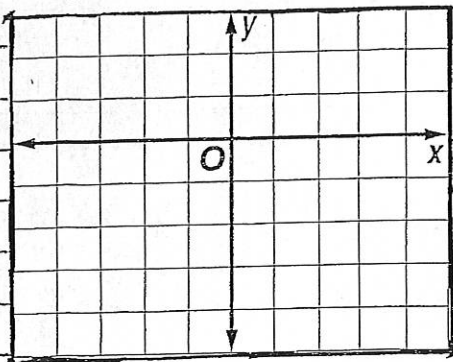
④ $2x + 2y = -6$
 $3x + y = 3$

ANSWER:



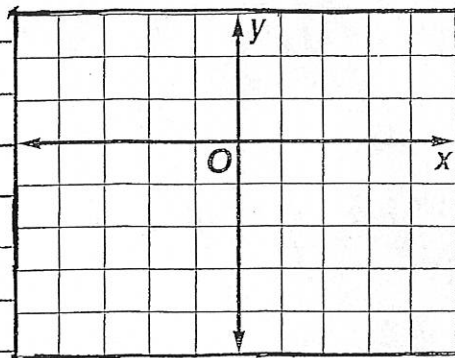
Sometimes they will make us graph our own linear equations to discover how many solutions the system has.

⑤ $y = -2x + 1$
 $y = 3x - 1$



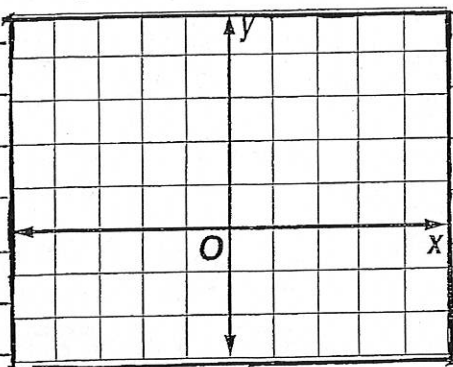
ANSWER:

⑥ $y = -2x - 1$
 $y = -2x + 2$



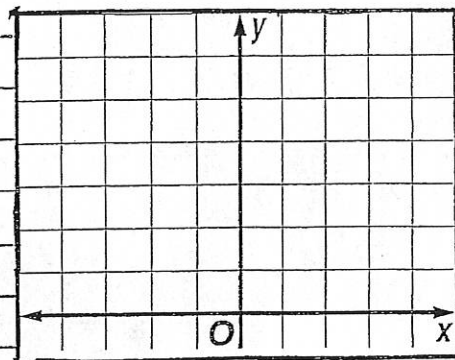
ANSWER:

⑦ $y = \frac{1}{2}x + 0$
 $y = -\frac{2}{3}x - 1$



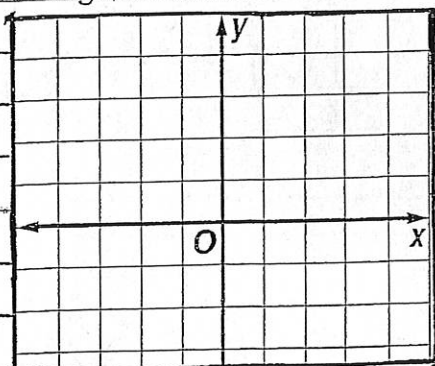
ANSWER:

⑧ $y = -2x + 6$
 $y = 2x + 2$



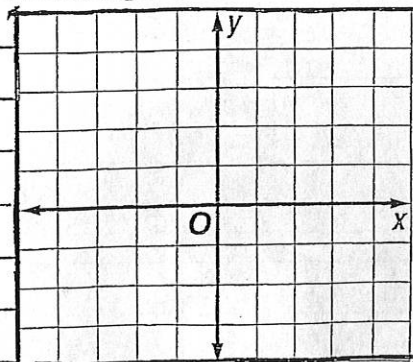
ANSWER:

⑨ $y = \frac{2}{3}x + 3$
 $y = \frac{2}{3}x - 2$



ANSWER:

⑩ $y = -2x + 2$
 $y = -2x + 2$



ANSWER: