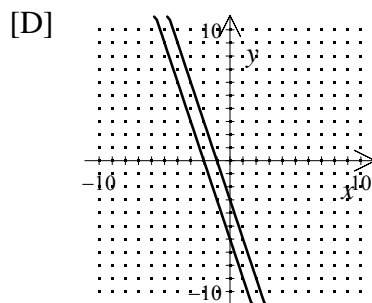
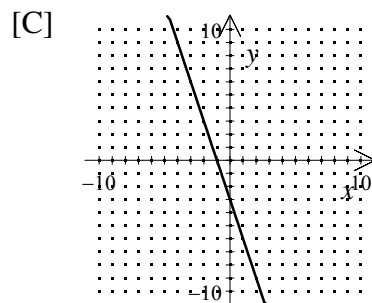
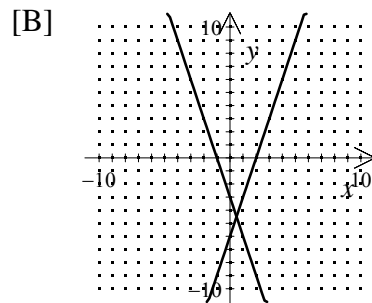
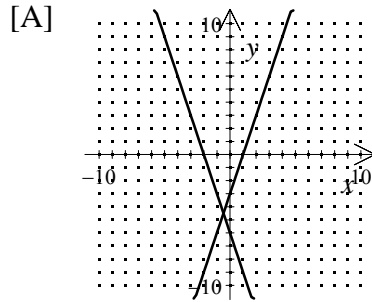


*P.I. A.G.7: Graph and solve systems of linear equations and inequalities with rational coefficients in two variables*

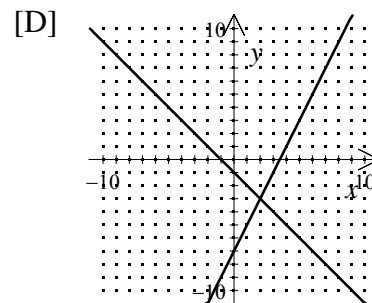
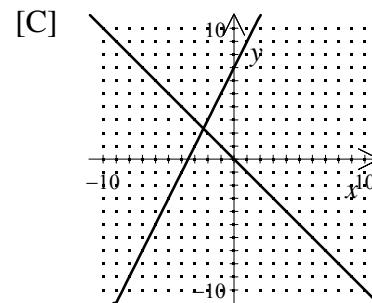
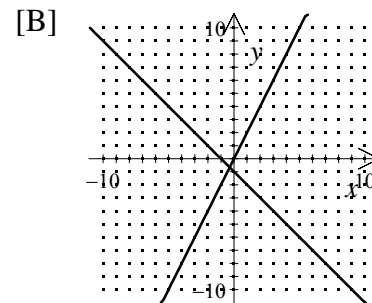
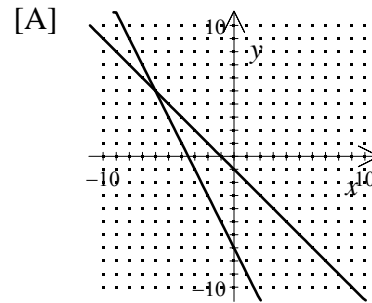
Graph:

$$\begin{aligned} 1. \quad y + 3x &= -3 \\ 3y + 9x &= -18 \end{aligned}$$

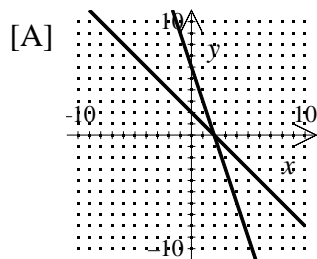


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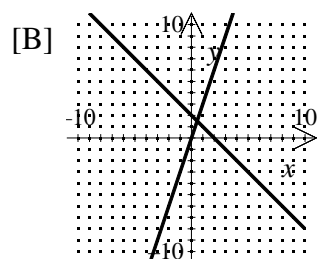
$$\begin{aligned} 2. \quad x + y &= -1 \\ 2x - y &= 7 \end{aligned}$$



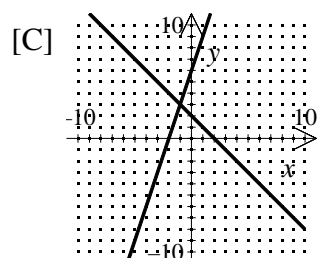
3. Solve the system by graphing:  $x + y = 2$   
 $y = 3x + 6$



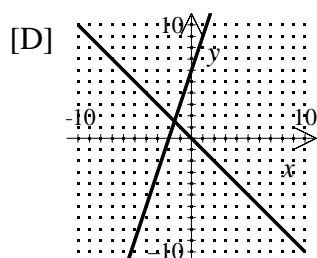
(2, 0)



$\left(\frac{1}{2}, \frac{3}{2}\right)$

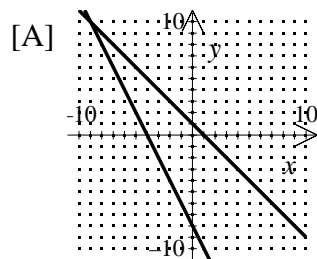


(-1, 3)

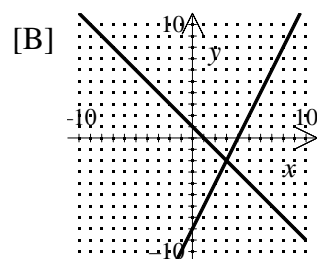


$\left(-\frac{3}{2}, \frac{3}{2}\right)$

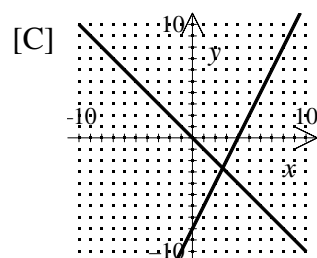
4. Solve the system by graphing:  $x + y = 1$   
 $y = 2x - 8$



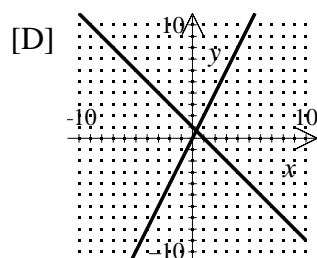
(-9, 10)



(3, -2)



$\left(\frac{8}{3}, -\frac{8}{3}\right)$



$\left(\frac{1}{3}, \frac{2}{3}\right)$

Integrated Algebra Practice: A.G.7 #1

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[1] D

[2] D

[3] C

[4] B