Addition Method/Systems of Inequalities Review

Solve each system using the "addition method."

① $-4x + 9y = 9$ Ans: $(9, 5)$
$x - 3y = -6$

② $-7x + y = -19$ Ans: $(2, -5)$
$-2x + 3y = -19$

③ $5x + y = 9$ Ans: $(1, 4)$
$10x - 7y = -18$

④ $8x + 14y = 4$ Ans: $(4, -2)$
$-6x - 7y = -10$

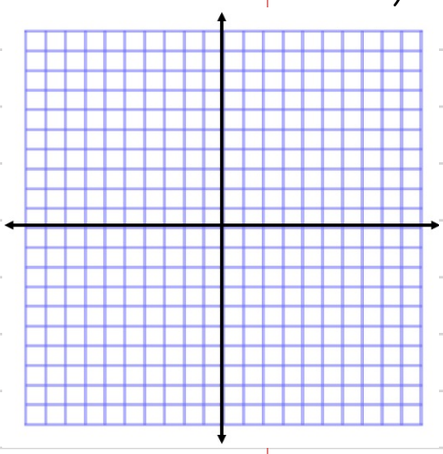
⑤ $x - y = 11$ Ans: $(10, -1)$
$2x + y = 19$

⑥ $-4x - 2y = -12$ Ans: $(6, -6)$
$4x + 8y = -24$

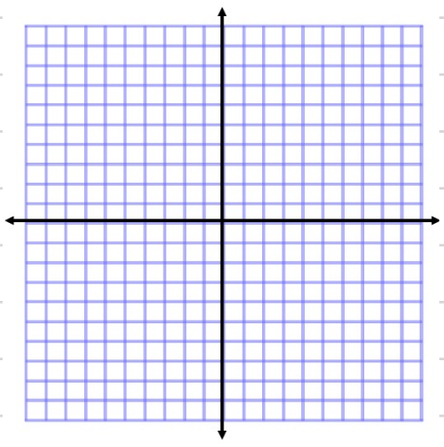
⑦ $-6x + 5y = 1$ Ans: $(-1, -1)$
$6x + 4y = -10$

⑧ $-2x - 9y = -25$ Ans: $(-1, 3)$
$-4x - 9y = -23$

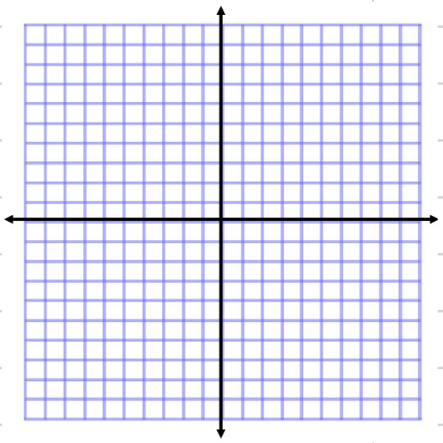
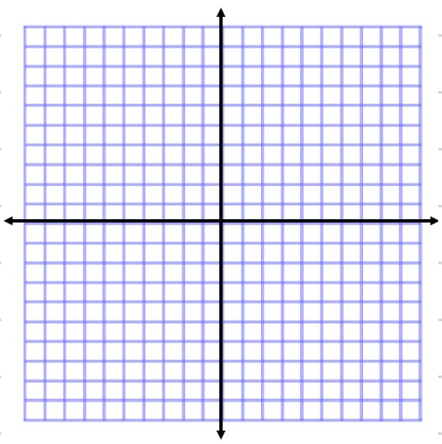
⑨ $3x + 2y \geq -2$
$x + 2y \leq 2$



⑩ $y = \frac{2x}{3} + 3$
$y > -\frac{4x}{3} - 3$



⑪ $y \leq -\frac{5}{2}x - 2$
$y < -\frac{1}{2}x + 2$



⑫ $y \leq \frac{1}{2}x + 2$
$y < -2x - 3$