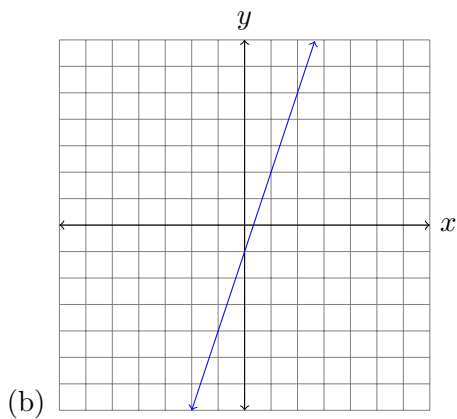
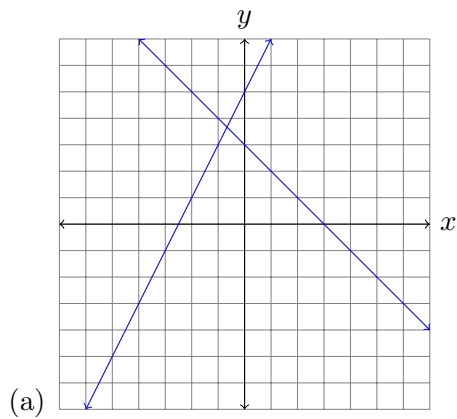
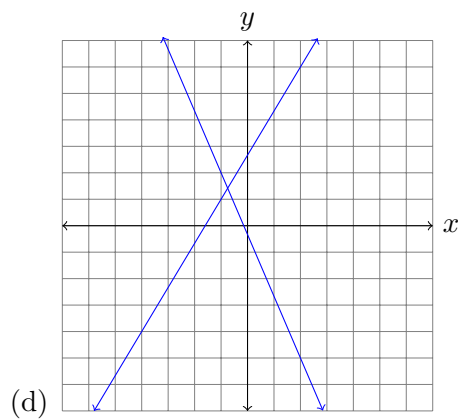
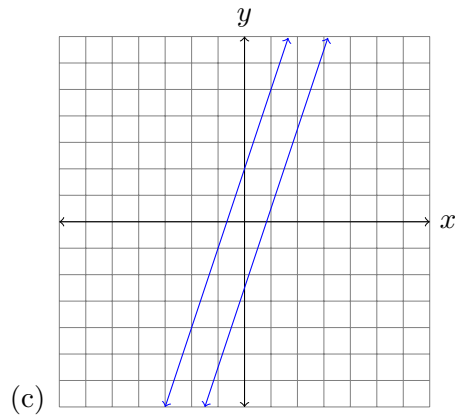


COLLEGE ALGEBRA QUIZ

- Match the graphs in a-d with the appropriate system of equations in 1-4.

- 1) $x + y = 3$, $-2x + y = 5$
- 2) $y = 3x - 1$, $6x - 2y = 2$
- 3) $y = 3x + 2$, $6x - 2y = 5$
- 4) $5x - 3y = -8$, $7x + 3y = -1$





Solution: (1) a; (2) b; (3) c; (4) d

- Solve the following system of equations, then classify the system as consistent or inconsistent.
 - $7x - 3y = -5$, $3x - y = -5$.
 $(-5, -10)$; consistent
 - $3x + 2y = 2$, $-x + 5y = -29$.
 $(4, -5)$; consistent
 - $x + 4y = 13$, $5x + 20y = 13$.
No Solution; inconsistent
 - $x + y = -3$, $-2x - 2y = 6$.
Infinitely Many Solutions; consistent