

Review: Solving Special Types of Systems of Equations

Sketch an example of a System that has:

1) one solution

2) no solution

3) infinitely many sol's on the line

Solve each System by the indicated method.

4) $2x + y = 7$ (substitution)
 $3x - 2y = -7$

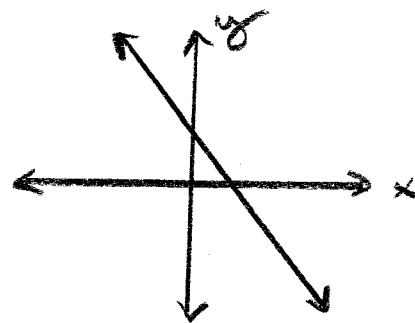
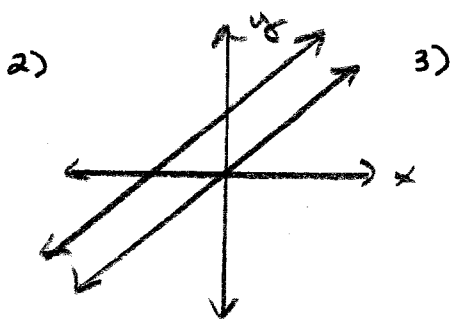
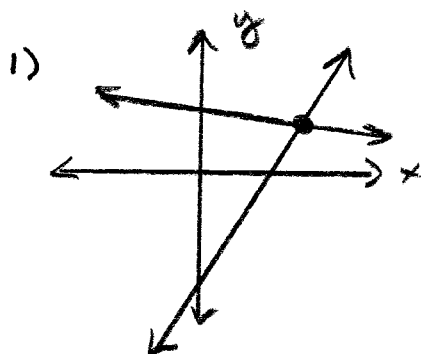
5) $3x - 4y = 6$ (elimination)
 $-6x + 8y = -12$

6) $6x - y = 10$ (substitution)
 $2y - 12x = 9$

7) $5x + 6y = -7$ (any method)
 $3x + 4y = -5$

8) $\frac{1}{2}x + y = -2$ (any method)
 $2x + 5y = -7$

Answers:



4) $(1, 5)$

5) infinitely many sol's on the line

6) $\emptyset$

7) $(1, -2)$

8) $(-6, 1)$