

Quiz 33

1. A system of linear equations has no solution if
 - A) the lines have different slopes.
 - B) the lines have different y -intercepts.
 - C) the lines have the same slope but different y -intercepts.
 - D) the lines have the same slope and the same y -intercept.
2. Which system of equations has infinitely many solutions?
 - A) $x + 3y = -1$ and $2x + 6y = 2$
 - B) $y = 2x - 5$ and $4x - 2y = 10$
 - C) $x + 2y = 4$ and $4x - y = -2$
 - D) $y = -3x + 4$ and $5x + 2y = 8$

Solve using any method.

3. $y = 2x - 9$
 $x + 5y = -1$

4. $5x - y = -7$
 $9x + 2y = 14$

5. $4x + 3y = 11$
 $3x - 2y = 21$