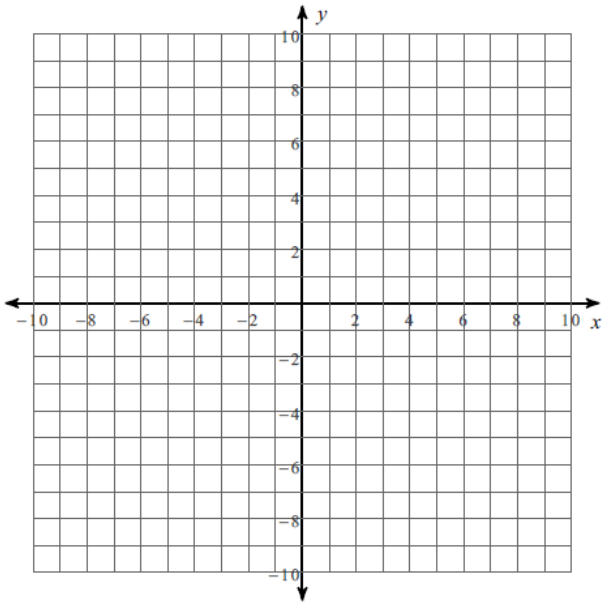
GSE PreCalculus: Unit 1 - Matrices
PreReq WS Unit 1.1: Solving 2x2, 3x3 Systems

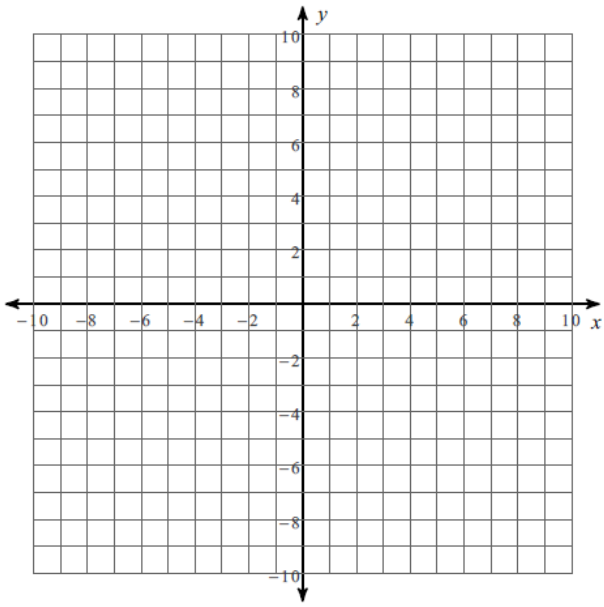
Name_____
Date_____

Solve each system by graphing.

1) $y = -2x - 9$
$y = 3x - 4$



2) $y = \frac{2}{3}x + 1$
$y = -\frac{1}{6}x + 6$



Solve each system by substitution.

3) $8x - y = 13$
$2x + y = -3$

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

Solve each system by elimination.

5) $-10x - 14y = -8$
$8x + 7y = -2$

6) $9x + 2y = -26$
$4x + 5y = -28$

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Solve each system.

1) $3x + y - 3z = 10$
$-3x + 4z = -17$
$5x + y - z = 12$

2) $-x + 2y + 6z = 5$
$4x + 4y + z = 16$
$3x - 2y - 2z = -3$

3) $z = -2y - 2$
$-3x + 2y - 6z = 1$
$2x + z = -2$

4) $-a + 2c = -3$
$a - 4b + c = -19$
$-5a - 2b - 4c = 5$

5) $4r - 5s - t = 17$
$-r - 3s - 6t = -27$
$5s - 2t = -20$

6) $r = s + 2t - 8$
$-4r + 2s + 2t = 12$
$-3r - 3t = -6$