

Name : _____

Score : _____

Teacher : _____

Date : _____

Cramers Rule with System of 3 Equations

Use Cramers Rule to solve each system.

1) $-5x + 9y - 7z = 0$
 $9x + 9y + 9z = 0$
 $7x - y + 3z = -36$

2) $3x - 8y - 7z = 58$
 $-8x - 8y - 8z = -80$
 $-7x - 9y + 9z = 42$

3) $-9x - 6y - 4z = -74$
 $-6x - 6y - 6z = -102$
 $-2x + y - 8z = -76$

4) $-x - 4y - 6z = -9$
 $-4x - 4y - 4z = 0$
 $9x - 7y - 4z = 75$

5) $-8x - 5y - 2z = -103$
 $-5x - 5y - 5z = -55$
 $7x - 9y + 2z = -5$

6) $-x + 4y - 6z = 41$
 $4x + 4y + 4z = -24$
 $3x + 2y - 5z = 83$

7) $-4x - 4y + 6z = -36$
 $6x + 6y + 6z = -66$
 $-x - y - 9z = 75$

8) $5x + 5y - 5z = 40$
 $-5x - 5y - 5z = 60$
 $6x + 6y + z = -22$

9) $-x + 4y - 2z = -14$
 $4x + 4y + 4z = -76$
 $2x - y + 9z = -31$

10) $-2x + 5y - 2z = -10$
 $5x + 5y + 5z = 75$
 $-3x - 8y - 3z = -133$

11) $7x - 4y + 6z = -85$
 $-4x - 4y - 4z = 16$
 $-x - 2y - 6z = -11$

12) $-5x - 5y - z = -87$
 $-x - y - z = -6$
 $-9x - 9y - 3z = -94$

