

Three-Variables Linear Equations ( $ax+by+cz=d$ )

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

1.  $2x + 4y + 4z = 48$

$2x - 1y - 5z = -17$

$6x - 6y - 2z = 2$

2.  $6x + 5y + 4z = 74$

$1x - 4y + 4z = 3$

$6x + 5y - 6z = 44$

3.  $5x + 6y - 1z = 29$

$3x - 2y + 2z = 27$

$2x - 2y - 4z = -26$

4.  $1x + 2y + 1z = 27$

$4x - 2y - 1z = -2$

$2x - 1y - 6z = -34$

5.  $2x - 5y - 4z = -23$

$6x + 6y + 4z = 64$

$4x + 3y - 2z = 9$

6.  $3x + 3y - 2z = 28$

$4x + 1y + 6z = 80$

$5x - 2y + 6z = 70$

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1.  $2x + 4y + 4z = 48$

$2x - 1y - 5z = -17$

$6x - 6y - 2z = 2$

$x = 6$

$y = 4$

$z = 5$

2.  $6x + 5y + 4z = 74$

$1x - 4y + 4z = 3$

$6x + 5y - 6z = 44$

$x = 7$

$y = 4$

$z = 3$

3.  $5x + 6y - 1z = 29$

$3x - 2y + 2z = 27$

$2x - 2y - 4z = -26$

$x = 5$

$y = 2$

$z = 8$

4.  $1x + 2y + 1z = 27$

$4x - 2y - 1z = -2$

$2x - 1y - 6z = -34$

$x = 5$

$y = 8$

$z = 6$

5.  $2x - 5y - 4z = -23$

$6x + 6y + 4z = 64$

$4x + 3y - 2z = 9$

$x = 5$

$y = 1$

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6.  $3x + 3y - 2z = 28$

$4x + 1y + 6z = 80$

$5x - 2y + 6z = 70$

$x = 8$

$y = 6$

$z = 7$