

Name _____

Date _____

Linear Equations as a Matrix Equation - Matching Worksheet

Write the letter of the answer that matches the problem.

- | | | | | |
|-------|----|---|----|----------------|
| _____ | 1. | $3x + y = -4$
$6x + y = -2$ | a. | $(-2, 2/3)$ |
| _____ | 2. | $x + y = -5$
$y = -3$ | b. | $(\$50, \$5)$ |
| _____ | 3. | $4x + 2y = -8$
$3x + 5y = -1$ | c. | $(-4/7, -3/7)$ |
| _____ | 4. | $x + y = -1$
$7y = -3$ | d. | $(2/3, -6)$ |
| _____ | 5. | $x = -2$
$5x + 3y = -8$ | e. | $(30, 25)$ |
| _____ | 6. | Cori is participating in sports events. For this, she needs some shoes and socks. She went to the market with her mother and bought 3 pairs of shoes and 6 pairs of socks at a cost of \$ 180. After a suggestion by her teacher, she bought one more of shoes at a cost of \$ 50. Write the cost per pair shoe and socks.
Shoes = _____ , Socks = _____ | | |
| _____ | 7. | John runs a Tiffin center. Tom came to John's center and placed an order of 6 Tiffins of non-vegetarian food and 18 Tiffins of vegetarian food at a cost of \$ 630. After an hour Tom came back to the Tiffin center and placed an order for 1 Tiffin of non-vegetarian food at a cost of \$ 30. How much do the orders cost?
Tiffin of non-vegetarian food = _____ , Tiffin of vegetarian food = \$ _____ . | | |
| | | | g. | $(-2, -3)$ |

