

**Two-Step Equations - MCQ**

Sheet 3

Read and interpret each word problem and choose the two-step equation that best represents the situation.

- 1) Daniel and John ordered a New York-style pizza which has 8 slices in total. Daniel ate  $x$  slices of pizza while John consumed one third of what Daniel had.
- a)  $x - 3x = 8$                       b)  $x + \frac{x}{3} = 8$
- c)  $3x - x = 8$                       d)  $x - \frac{x}{3} = 8$
- 2) The parking lot at D... .. 654 parking spaces were occupied by the employees of... .. parking spaces were occupied solely for the customers.
- a)  $54 - x = 36$
- c)  $36x - 18 = 5$
- 3) 8 groups of students accompanied by 6... .. of school buses of 294 Dominicans visited the exhibition.
- a)  $8x + 6 = 294$
- c)  $8x + 294 = 6$
- 4) Sam decides to run... .. have up money to buy a video game that is \$10 per hour. He al... .. k hours for which he earns the job done.
- a)  $25.56x - 10 =$
- c)  $25.56 + 10x = 59.88$                       d)  $59.88 + 10x = 25.56$
- 5) The balance in Jamie's checking account in the month of June was thrice the amount of what it was in the month of May. He swiped his card for \$69 in the restaurant which caused his account to be overdrawn by \$9.
- a)  $3x + 69 = 9$                       b)  $3x + 69 = -9$
- c)  $3x - 69 = 9$                       d)  $3x - 69 = -9$

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