

HW 2.2 Algebra and Profit

1. Use algebra to solve the following profit equations below.

a. $3x - 15 = 25$

b. $0.50x - 7.75 = 100$

c. $10x - (1.50x + 350) = 200$

d. $12.35x - 2(1392 + 4.18x) = 0$

2. Describe a possible situation each profit equation above represents.

ex: $2x - 13 = 100$ represents a lemonade stand with a start-up cost of \$13, and they make \$2 profit for each lemonade sold. We are finding how many lemonades sold until the net profit is \$100.

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