



Quadratic Equation Word Problem To Expression - Revenue with Price Change

1

What equation gives the revenue (volume x price) at a given price?

A lemonade stand sells 40 drinks for \$5 each. For every \$0.02 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-25.00p + 90.00)$

B
 $R(p) = p \cdot (-25.00p + 260.00)$

C
 $R(p) = p \cdot (-400.00p + 90.00)$

2

What equation gives the revenue (volume x price) at a given price?

A movie theater sells 80 tickets for \$11 each. For every \$0.06 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-800.00p + 96.67)$

B
 $R(p) = p \cdot (-12.50p + 96.67)$

C
 $R(p) = p \cdot (-9.09p + 213.33)$

3

What equation gives the revenue (volume x price) at a given price?

A lemonade stand sells 100 drinks for \$8 each. For every \$0.08 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-1000.00p + 112.50)$

B
 $R(p) = p \cdot (-10.00p + 112.50)$

4

What equation gives the revenue (volume x price) at a given price?

A lemonade stand sells 70 drinks for \$10 each. For every \$0.03 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-14.29p + 103.33)$

B
 $R(p) = p \cdot (-14.29p + 343.33)$

5

What equation gives the revenue (volume x price) at a given price?

A lemonade stand sells 80 drinks for \$8 each. For every \$0.05 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-12.50p + 100.00)$

B
 $R(p) = p \cdot (-12.50p + 170.00)$

6

What equation gives the revenue (volume x price) at a given price?

A lemonade stand sells 100 drinks for \$8 each. For every \$0.09 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-10.00p + 111.11)$

B
 $R(p) = p \cdot (-1000.00p + 111.11)$

C
 $R(p) = p \cdot (-10.00p + 98.89)$

7

What equation gives the revenue (volume x price) at a given price?

A lemonade stand sells 70 drinks for \$11 each. For every \$0.03 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-14.29p + 103.33)$

B
 $R(p) = p \cdot (-9.09p + 303.33)$

8

What equation gives the revenue (volume x price) at a given price?

A movie theater sells 50 tickets for \$7 each. For every \$0.03 increase in price 1 fewer will be sold.

A
 $R(p) = p \cdot (-20.00p + 83.33)$

B
 $R(p) = p \cdot (-500.00p + 83.33)$

C
 $R(p) = p \cdot (-14.29p + 216.67)$