Name

Quadratic Equation Word Problem To Optimization (y) - Revenue with Price Change

1

A lemonade stand sells 20 drinks for $9 each. For every $0.11 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$0.50$	$R = \$0.52$

2

A lemonade stand sells 90 drinks for $5 each. For every $0.10 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$4.37$	$R = \$4.45$
C	
$R = \$4.41$	

3

A movie theater sells 110 tickets for $7 each. For every $0.03 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$32.44$	$R = \$32.42$
C	
$R = \$32.38$	

4

A movie theater sells 60 tickets for $8 each. For every $0.10 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$2.99$	$R = \$2.94$
C	
$R = \$2.96$	

5

A movie theater sells 80 tickets for $11 each. For every $0.08 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$9.42$	$R = \$9.46$

6

A lemonade stand sells 40 drinks for $6 each. For every $0.05 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$2.53$	$R = \$2.56$
C	
$R = \$2.55$	

7

A lemonade stand sells 40 drinks for $11 each. For every $0.05 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$6.78$	$R = \$6.76$
C	
$R = \$6.75$	

8

A movie theater sells 110 tickets for $5 each. For every $0.02 increase in price 1 fewer will be sold.

What is the maximum possible revenue?

A	B
$R = \$35.62$	$R = \$35.64$
C	
$R = \$35.63$	