Determine which expression is the correct answer.

1) A store raised the price on watermelons 9%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

A. X - 1.09   B. 100X + 0.09   C. X + (0.09 × X)   D. X - 0.09

2) Last year the price of a college textbook(b) was $281. This year the price will be 23% higher. Which expression shows the difference in price from last year to this year?

A. b × 0.23   B. b - 0.23   C. b - 1.23   D. b - 23

3) Paul drew a square with each side being exactly 12 centimeters long. If he wanted to make the square 3% larger which expression can he use to find the new sides length?

A. s - 1.03   B. s - 0.03   C. s - 3   D. 12 × 1.03

4) A sandwich shop was charging $3.48 for a sandwich, but raised the price 9% making them cost $3.79. Which expression shows how the new price was calculated?

A. s - 9   B. s - 0.09   C. s - 1.09   D. 3.48 × 1.09

5) The regular price of a computer was 761 dollars, but over the weekend it'll be on sale for for 11 percent off. Which expression shows the difference in price from normal(n) to sale?

A. n - 11   B. n - 0.11   C. n - 1.11   D. n × 0.11

6) While clearing out some old inventory a store offered 1 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

A. 100i + 0.01   B. i - 1.01   C. i - 0.01   D. i - 0.01i

7) A house was on sell for $55,237. If you wanted to offer 13% less than the asking price(p) which expression shows how much you should offer?

A. p - 1.13   B. p - 0.13p   C. p - 13   D. p - 0.13

8) A cell phone company dropped the prices on their phones by 5%. Which expression shows the new price of the phones(p)?

A. 100p + 0.05   B. p - 0.05p   C. p - 1.05   D. p - 0.05

9) A box of cereal advertised having 36% more marshmallows. The original cereal had y cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?

A. y + (0.36 × y)   B. 100y + 0.36   C. y - 0.36   D. y - 1.36

10) A company was having a sale for 19% off the price of computer monitors. Which expression shows how much money you would save if you bought 26 monitors for z dollars a piece?

A. z - 19   B. z - 1.19   C. 0.19 × 26z   D. z - 0.19

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math

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1. **C**

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2. **A**

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3. **D**

4. **D**

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5. **D**

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7. **B**

8. **B**

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9. **A**

10. **C**

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