Determine which expression is the correct answer.

1) Last year the price of a college textbook(b) was $289. This year the price will be 3% higher. Which expression shows the difference in price from last year to this year?

   A. b - 0.03   B. b - 3   C. b × 0.03   D. b - 1.03

2) Over the summer gas prices dropped 2%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)

   A. 100g + 0.02   B. g - 1.02   C. g - 0.02g   D. g - 0.02

3) The regular price of a computer was 543 dollars, but over the weekend it'll be on sale for for 23 percent off. Which expression shows the difference in price from normal(n) to sale?

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

4) A sandwich shop was charging $3.78 for a sandwich, but raised the price 5% making them cost $3.97. Which expression shows how the new price was calculated?

   A. s - 1.05   B. s - 0.05   C. s - 5   D. 3.78 × 1.05

5) A store raised the price on watermelons 4%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

   A. 100X + 0.04   B. X - 0.04   C. X - 1.04   D. X + (0.04 × X)

6) A house was on sell for $45,994. If you wanted to offer 7% less than the asking price(p) which expression shows how much you should offer?

   A. p - 7   B. p - 1.07   C. p - 0.07p   D. p - 0.07

7) This years model of a cell phone is 13 percent heavier than last years. This years model weight is represent by w. Which expression can be used to calculate the weight of last years model?

   A. i ÷ 1.13   B. i - 13   C. i - 0.13   D. i - 1.13

8) While clearing out some old inventory a store offered 9 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

   A. i - 0.09i   B. 100i + 0.09   C. i - 0.09   D. i - 1.09

9) Joe was earning $9 an hour before his raise. After his 5% raise he was making $9.45 an hour. Which expression shows how his new hourly rate was calculated?

   A. r - 5   B. 9 × 1.05   C. r - 1.05   D. r - 0.05

10) A box of cereal advertised having 22% 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 - 1.22   B. 100y + 0.22   C. y + (0.22 × y)   D. y - 0.22

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Math

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#	Answer
1.	C
2.	C
3.	D
4.	D
5.	D
6.	C
7.	A
8.	A
9.	B
10.	C