Determine which expression is the correct answer.

1) Joe was earning $11 an hour before his raise. After his 5% raise he was making $11.55 an hour. Which expression shows how his new hourly rate was calculated?
A. 11 × 0.05  B. 11 × 1.05  C. 11 + 0.05  D. 11 + 1.05

2) A box of cereal advertised having 35% 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 + 1.35  B. y + 0.35  C. y + (0.35 × y)  D. y × 0.35

3) The regular price of a computer was 788 dollars, but over the weekend it'll be on sale for for 22 percent off. Which expression shows the difference in price from normal(n) to sale?
A. n - 1.22  B. n - 0.22  C. n - 22  D. n × 0.22

4) Over the summer gas prices dropped 1%. Which expression shows the new price of a gallon of gas? (the old price is represented by g)
A. g × 0.01  B. g - 0.01g  C. g - 1.01  D. g - 0.01

5) Frank drew a square with each side being exactly 12 centimeters long. If he wanted to make the square 5% larger which expression can he use to find the new sides length?
A. 12 × 0.05  B. 12 × 1.05  C. 12 + 1.05  D. 12 + 0.05

6) While clearing out some old inventory a store offered 10 percent off of any item(i). Which expression can be used to calculate the new cost of an item?
A. i - 1.1  B. i × 0.1  C. i - 0.1  D. i - 0.1i

7) 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 27 monitors for z dollars a piece?
A. 27z - 0.19  B. 27z + 0.19  C. 0.19 × 27z  D. 27z + 1.19

8) Last year the price of a college textbook(b) was $120. This year the price will be 24% higher. Which expression shows the difference in price from last year to this year?
A. b - 24  B. b - 1.24  C. b - 0.24  D. b × 0.24

9) An icecream bar was 835 calories. If they increased the size of the bar by 3% which expression can be used to find the new calorie count?
A. 835 × 1.03  B. 835 × 0.03  C. 835 + 1.03  D. 835 + 0.03

10) A mall kiosk needed to buy 30 new cell phone cases at z dollars a piece. Because they were buying so many they got 12% off the price. Which expression shows how much money they saved?
A. 30z + 1.12  B. 30z + 0.12  C. 30z - 0.12  D. 0.12 × 30z
Determine which expression is the correct answer.

1) Joe was earning $11 an hour before his raise. After his 5% raise he was making $11.55 an hour. Which expression shows how his new hourly rate was calculated?
   A. $11 \times 0.05$  
   B. $11 \times 1.05$  
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   A. $y + 1.35$  
   B. $y + 0.35$  
   C. $y + (0.35 \times y)$  
   D. $y \times 0.35$

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   C. $b - 0.24$  
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    B. $30z + 0.12$  
    C. $30z - 0.12$  
    D. $0.12 \times 30z$