Determine which expression is the correct answer.

1) Joe was earning $6 an hour before his raise. After his 5% raise he was making $6.3 an hour. Which expression shows how his new hourly rate was calculated?
A. $6 \times 0.05$  
B. $6 + 0.05$  
C. $6 \times 1.05$  
D. $6 + 1.05$

2) A company was having a sale for 18% off the price of computer monitors. Which expression shows how much money you would save if you bought 33 monitors for $z$ dollars a piece?
A. $33z + 0.18$  
B. $0.18 \times 33z$  
C. $33z + 1.18$  
D. $33z - 0.18$

3) The regular price of a computer was 430 dollars, but over the weekend it'll be on sale for for 19 percent off. Which expression shows the difference in price from normal($n$) to sale?
A. $n \times 0.19$  
B. $n - 0.19$  
C. $n - 19$  
D. $n - 1.19$

4) A store raised the price on watermelons 7%. The original price for each was $x$ dollars. Which expression shows the new price of the watermelons?
A. $x + 1.07$  
B. $x + 0.07$  
C. $x + (0.07 \times x)$  
D. $x \times 0.07$

5) An ice cream bar was 376 calories. If they increased the size of the bar by 6% which expression can be used to find the new calorie count?
A. $376 \times 1.06$  
B. $376 \times 0.06$  
C. $376 + 1.06$  
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6) A box of cereal advertised having 31% more marshmallows. The original cereal had $y$ cups of marshmallow. Which expression shows the how many cups of marshmallows the new cereal has?
A. $y + 0.31$  
B. $y + (0.31 \times y)$  
C. $y + 1.31$  
D. $y \times 0.31$

7) This years model of a cell phone is 6 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. $w - 1.06$  
B. $w \div 1.06$  
C. $w \times 0.06$  
D. $w - 0.06$

8) 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. $g \times 0.01$  
B. $g - 0.01$  
C. $g - 0.01g$  
D. $g - 1.01$

9) Last year the price of a college textbook($b$) was $100. This year the price will be 5% higher. Which expression shows the difference in price from last year to this year?
A. $b - 1.05$  
B. $b - 0.05$  
C. $b \times 0.05$  
D. $b - 5$

10) While clearing out some old inventory a store offered 25 percent off of any item($i$). Which expression can be used to calculate the new cost of an item?
A. $i - 0.25i$  
B. $i - 1.25$  
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