



Determine which expression is the correct answer.

- 1) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phone( $p$ )?  
A.  $p - 0.09p$       B.  $p - 1.09$       C.  $p \times 0.09$       D.  $p - 0.09$
- 2) Over the summer gas prices dropped 3%. Which expression shows the new price of a gallon of gas? (the old price is represented by  $g$ )  
A.  $g \times 0.03$       B.  $g - 1.03$       C.  $g - 0.03g$       D.  $g - 0.03$
- 3) 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.  $i - 0.1i$       C.  $i \times 0.1$       D.  $i - 0.1$
- 4) 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.  $11 \times 1.05$       B.  $11 \times 0.05$       C.  $11 + 0.05$       D.  $11 + 1.05$
- 5) A mall kiosk needed to buy 33 new cell phone cases at  $z$  dollars a piece. Because they were buying so many they got 5% off the price. Which expression shows how much money they saved?  
A.  $33z - 0.05$       B.  $0.05 \times 33z$       C.  $33z + 0.05$       D.  $33z + 1.05$
- 6) Roger drew a square with each side being exactly 12 centimeters long. If he wanted to make the square 6% larger which expression can he use to find the new sides length?  
A.  $12 + 1.06$       B.  $12 \times 1.06$       C.  $12 \times 0.06$       D.  $12 + 0.06$
- 7) The regular price of a computer was 893 dollars, but over the weekend it'll be on sale for 10 percent off. Which expression shows the difference in price from normal( $n$ ) to sale?  
A.  $n - 10$       B.  $n \times 0.1$       C.  $n - 1.1$       D.  $n - 0.1$
- 8) A house was on sell for \$23,474. If you wanted to offer 7% less than the asking price( $p$ ) which expression shows how much you should offer?  
A.  $p - 0.07$       B.  $p - 0.07p$       C.  $p - 1.07$       D.  $p \times 0.07$
- 9) 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 25 monitors for  $z$  dollars a piece?  
A.  $25z - 0.19$       B.  $25z + 1.19$       C.  $0.19 \times 25z$       D.  $25z + 0.19$
- 10) Last year the price of a college textbook( $b$ ) was \$197. This year the price will be 13% higher. Which expression shows the difference in price from last year to this year?  
A.  $b \times 0.13$       B.  $b - 1.13$       C.  $b - 0.13$       D.  $b - 13$

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_