

Name: _____ Period: ____ Due Date: _____

Score: ____ / ____

Percent: _____ = $\frac{\quad}{10}$

INTERMEDIATE 1
UNIT 9

ASSIGNMENT 9-3
DOUBLE PERCENT INCREASE/DECREASE

SYW: NO WORK = NO CREDIT
WORK IN PENCIL ONLY!

Solve the following problems. Show your work on a separate sheet of paper – organize your work and staple it to this paper. No work = no credit!!

1. You buy a shirt that normally costs \$14.95, but are on sale for 45% off. If sales tax is 6.5%, what is the final cost of the shirt?
2. A store normally sells a CD for \$23.50, but since it's selling so well, they decide to mark the price up by 25%. If tax is 5%, what is the final price of the CD?
3. Your favorite oil-changing place normally charges \$19.95 to change the oil in your car, but they decided to increase that price by 85%. If you have a coupon for a 45% discount, how much would the oil-change cost?
4. When Vista Heights opened, the science department bought a microscope that cost \$269.95. They went to go buy the same microscope this year, but it has been marked-up by 43%. If tax is 5%, how much does the microscope cost now?
5. Mrs. McBride is going to buy a puppy that used to cost \$349.99, but has been marked-up by 41%. She also has a coupon that gives her 23% off. What is the price of the dog?
6. You want to buy a goldfish that normally costs \$3.45, but are on sale for 10% off. If tax on the fish is 5.5%, how much will you pay for the fish?
7. A TV at a store cost \$1500, but is on sale for 30% off. If you have a coupon that gives you an additional 15% off the *sale* price, how much will you pay for the TV?
8. Mary is buying the new iPhone 6s for \$549.99. She wants all of her contacts, pictures, etc. transferred over from her old phone, but it will mark the price up 8%. The salesman at the store tells Mary that they are doing a special discount where if she can get 3 friends to come in within the month and buy a phone, Mary will get 20% of her purchase back. How much money will Mary have spent after buying the phone, transferring the contacts, and getting the special discount back?

Review

Solve the following problems. Show your work!!

9. $\frac{y}{-4} - 5 \geq -3$

11. $-1.12r + 3.4 < 2$

10. $3w + 14 > -7$

12. $x - \frac{1}{8} \leq \frac{5}{6}$