## Algebra I 3-7 (Day 2) Solve Percent Problems

Percent of Change -

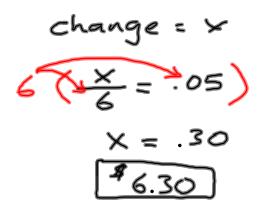
1) A pair of denim jeans was \$25.00 per pair, but was increased in price to \$30.00 a pair. What was the price increase, and what was the percent of increase?

change: 
$$30-25 = 5$$
  
 $\frac{5}{25} \times 100\% = .2(100\%) = 20\%$ 

2) A Burton snowboard was originally priced \$240.00, but this week is on sale for \$160.00. What is the percent of decrease in price?

change: 
$$$80 = 240 - 160$$
  
 $\frac{80}{240} = .3$   
 $33 \div 70$   
 $.16 = \frac{1}{5}$   
 $.83 = 56$ 

3) All bargain DVDs are to be marked up 5%. If they are currently priced \$6.00 each, what will the new price be?



4) A crosscut hand saw was recently marked up 10% to \$22.00. What was the original price? I 20 Change : 22-× Original : × (22-x) = .10 22-x = .10x 22-x = .10x + x 22-x + x = .10x + x 22-x + x = .10x + x 22-x + x = .10x + x22-x + x = .10x + x Assignment: pg. 179 4-18 even, 19-21, 24, 25, 36, 37, 39 pg. 183 2-14 even