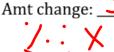
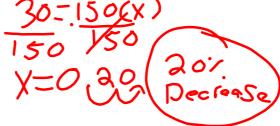
Homework #35 - Percent Change

1) Tara purchased a DVD player for \$150. Six months later, the same DVD player was selling for \$120. What was the percent of decrease in the price?

Original: _

New:





2) Ernie's math average for the first quarter was an 88. His second quarter average decreased by 12.5%. What was his math average for the second quarter?

Original:

New:

X=88(.125)|



Amt change: _

•, •	11 =
<u>/···</u>	10.0

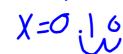
3) Last year there were 520 students enrolled at Camp Avenue Elementary School. This year there were 572 students enrolled. What is the percent of increase?

Original:

Original:	700
New:	572

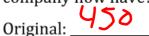


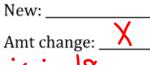
Amt change:

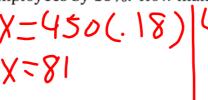


4) A manufacturing company with 450 employees begins a new product line and must increase heir number of employees by 18%. How many total employees does the

company now have?









5) Logan estimated that there were 420 people at a concert with him. The actual number of people at the concert was 375. What was the percent of error of Logan's estimate?
Original (Actual Measurement): $\frac{375}{45}$ $45 = 375$ (X)
New (Wrong Measurement): 420 375
Amt change: 45 $y=0.12$
1.: X Increase
6) Joshua uses his thermometer and finds boiling point of ethyl alcohol to be 75° C. He
looks in a reference book and finds the actual boiling point of ethyl alcohol is 80°C. What
is his percent error? $5 = 80(\times)$
Original (Actual Measurement):
New (Wrong Measurement):
Amt change: 5
1.: X (6,25%. Declease)