

MIDTERM REVIEW DAY 2

TOPIC 1: PERCENT OF CHANGE

STEPS:

1. Subtract the new value and the old value. *This answer must always be **positive!*** (Flip the sign if it is negative)
2. Divide by the old value
3. Multiply by 100
4. Round appropriately!

$$\text{Percent Change} = \frac{|\text{New Value} - \text{Old Value}|}{\text{Old Value}} \times 100$$

↑ *MEMORIZE THIS!* ↓

TOPIC 2: DISCOUNTS AND TAX



DISCOUNTS	TAX
<ol style="list-style-type: none">1. Calculate total2. Change percent to a decimal (Divide by 100)3. Multiply decimal by total4. <u>SUBTRACT</u> that from total5. <u>SUBTRACT</u> any additional cash discounts	<ol style="list-style-type: none">1. Calculate total2. Apply any discounts3. Change percent to a decimal (Divide by 100)4. Multiply decimal by total5. ADD to total amount <p data-bbox="900 1370 1279 1554" style="text-align: center;">ALWAYS APPLY DISCOUNTS FIRST!!!</p>

TOPIC 3: SIMPLE INTEREST

STEPS:

1. Use formula to calculate interest
2. **ADD** interest to starting amount

$$I = P \times R \times T$$

Where:

I = the Interest Money created in dollars

P = the "Principal" starting amount of money

R = the Interest Rate per year (in decimal form)

T = the Time the money is Invested,
or Borrowed, in Years



