### Homework – Monday (February 13, 2017)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

1. A music store is having a clearance sale. All items are discounted by 10%. What is the sale price of a radio that regularly costs $38?

2. The cost of a taxi ride is $3.00, plus $0.60 for each mile traveled. Ms. Johnson was charged $15.60 for a taxi ride. How many miles was Ms. Johnson’s taxi ride?

3. Lauren deposited $200 into an account. The account pays simple interest at a rate of 6%. How much money will be in Lauren’s account at the end of 7 years?

4. The math club at a middle school increased from 62 to 78 in one school year. What is the approximate percent of increase? (Round to the nearest tenth.)

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### Homework- Tuesday (February 14, 2017)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

1. Truth has $3 more than twice as much money as Schyler. If Truth has $10, how much does Schyler have?

2. Samuel is 5ft 3in. He is standing next to a tree that is 26ft. If Samuel’s shadow is 8.5ft, what is the length of the tree’s shadow. (round to the nearest foot)

3. Jamison ordered 4 CDs for $48.96, which includes a $5.00 shipping charge. If each CD was the same price, what was the cost of each CD?

4. If a small airplane travels 28 miles in 12 minutes, how far will the plane travel in one hour?
### Homework - Wednesday (February 15, 2017)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

1. Find the value of $x$ if both triangles are similar.

   ![Triangle Diagram]

   - 8.2
   - 10.5
   - 16.4
   - $x$

2. If the price of a CD that normally costs $17.50 was marked up by 8%, what is the new cost?


   \[ 8 - 4 (2 + 5^2) ÷ 12 \]

4. On a map 3 inches represents 5.5 miles. How many miles away is city A from city B if on the map they are 12 inches apart?

### Homework - Thursday (February 16, 2017)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

1. Tracy’s weekly pay increased from $80 to $100. What is the percent increase in Tracy’s weekly pay?

2. Hilda earns $15 in gratuity for every $100 in food served. If Hilda serves $500 in food, what is her gratuity?

3. Ms. Jenkins works at the Coach Store selling handbags. She gets a 5% commission on her weekly sales. She sold $6500 last week. How much commission did Ms. Jenkins earn?

4. Simplify.

   \[ (6 \times 9) + 3 \times 12 - 4 ÷ 2 \]