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Mathematics - ++ Junior 8 Memo and Exercise # 1 – April 11 2011- p.1/1

## **EXAMPLES of AMC 10 - PROBLEMS**

1. What is 100(100 - 3) - (100.100 - 3)?

2. Marya attended two meetings during her 9-hour work day. The first meeting took 45 minutes, and the second meeting took twice as long. What percent of her work day was spent attending meetings ?

3. For a real number x, we define M(x) to be the average of x and  $x^2$ . What is M(1) + M(2) + M(3)?

4. A ticket to a school play costs *x* \$, (x is whole number). A group of 8<sup>th</sup> graders buys tickets costing a total of \$48, and a group of 9<sup>th</sup> graders buys tickets costing a total of \$64. How many values of *x* are possible ?