$\square$

## 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 $\mathrm{M}(x)$ to be the average of $x$ and $x^{2}$ ． What is $\mathrm{M}(1)+\mathrm{M}(2)+\mathrm{M}(3)$ ？

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

