**Algebra I** Name_____

## Mental Math Practice Test 2 Date: _____

*Directions: Do your best. Attempt to find each answer in your head. No calculators allowed.*

1) Simplify $(m^{45})^{(1/9)}$ _____

2) $\left(n^{(3/7)}\right)^{49} =$ _____

3) If $h(x) = .3x + 1$, find $h(40)$. _____

4) Solve: 0.5b = .035 _____

5) Evaluate: $pr$ if $p = .9$ and $r = .07$. _____

6) Find the angle complementary to 52°. _____

7) If the cost per thousand dollars of jewelry insurance is $3.10, find to insure $30,000 worth of jewelry. _____

8) If 2,003 out of 8,012 voters are undecided, what percent are undecided? _____

9) Find 70% of $55. _____

10) Solve: $300 = x + 194$ _____

11) Solve: $\frac{y}{5} = 460$ _____

12) Find 75% of 200. _____

13) If 6 candy bars cost $1.20, how much will 5 candy bars cost? _____

14) Find 4% of 7. _____

15) $m(x) = 3 + 2(x - 2)^2$. Find $m(5)$ _____