**Directions: Solve each problem by showing all of your work. Be sure to circle your answers.**

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| 1) $9^{4} $ | 2) $6^{5}$ |
| 3) $4^{7}$ | 4) $2^{9}$ |
| 5) $9^{2}-9 $÷ $3$ | 6) $(9^{2}-9) $÷ $3$ |
| 7) $\left(5 x 7^{2}\right)(6+1)$ | 8) $\left(3^{2} ÷ 3\right)^{2} (4+2÷ 2)$ |
| 9) There are 193,762 people in New York City and 199,931 people in California. Use >, <, or = to compare the numbers. | 10) In the number 10,951 which number represents the thousands place? |
| 11) In the number 6,432 which number represents the tens place? | 12) Jen used 37 beads to make a necklace. She plans to sell 149 necklaces at each craft fair that she attends. If she goes to 6 different craft fairs, what is the total number of beads used to make all the necklaces she plans to sell at the 6 craft fairs? |