## Exponents & Square Roots Mini-Assessment

## Exponents = Repeated Multiplication

You multiply the base (large number) by itself as many times as the exponent (small number above base) tells you to.

 $3 \leftarrow Exponent$ 

$$5 \leftarrow Base$$

$$5 \times 5 \times 5 = 125$$

- **1**. 2<sup>3</sup>
- **2**. 4<sup>4</sup>
- **3**. 4<sup>0</sup>
- **4**. 1<sup>10</sup>
- **5**. 10<sup>1</sup>
- **6**. 11<sup>2</sup>
- **7**. 8<sup>1</sup>
- **8**. 10<sup>4</sup>
- **9**. 3<sup>6</sup>
- **10**. 7<sup>5</sup>

- **1**.  $\sqrt{25}$
- **2.**  $\sqrt{1}$
- **3.**  $\sqrt{100}$
- **4.**  $\sqrt{81}$
- **5**.  $\sqrt{0}$
- **6.**  $\sqrt{36}$
- **7.**  $\sqrt{16}$
- **8**.  $\sqrt{9}$
- **9**.  $\sqrt{121}$
- **10.**  $\sqrt{169}$