## DO NOT USE A CALCULATOR

1. $2^{3}=$
$2^{2}=$
$2^{1}=$
$2^{0}=$
$2^{-1}=$
$2^{-2}=$
2. Evaluate $(-2)^{5}$
3. Evaluate $-2^{5}$
4. Evaluate $(-3)^{-3}$
5. Evaluate $5^{0}$
6. Write as a negative exponent

$$
\frac{1}{25^{25}}
$$

$$
\frac{1}{8^{2}}
$$

9. Write as a negative exponent

$$
\frac{1}{x^{6}}
$$

4. Evaluate $x^{3}$ for $x=-4$
5. Simplify: $x^{3} x^{5} y^{2} y^{6}$
6. Simplify: $2 x^{3} \cdot 3 x^{5} \cdot 6 x^{2}$
7. Simplify: $\frac{2 a^{4} b^{3}}{4 a^{2} b^{0}}$
8. Simplify: $\frac{16 v^{25}}{4 v^{30}}$

## Exponents Day 1 Homework

## DO NOT USE A CALCULATOR

1. $2^{3}=$
$2^{2}=$
$2^{1}=$
$2^{0}=$
$2^{-1}=$
$2^{-2}=$
2. Simplify: $x^{3} x^{5} y^{2} y^{6}$

3. Evaluate $(-2)^{5}$
4. Evaluate $-2^{5}$
5. Evaluate $x^{3}$ for $x=-4$
