Name: _____   Date _____

Topic : <u>Express Logarithmic Form in Exponential Forms - Worksheet 1</u>

1. $\text{Log}_{1/4}256 = -4$ **2.** $\text{Log}_{81}27 = 3/4$

3. $\text{Log}_{12}1/144 = -2$ **4.** $\text{Log}_{18}324 = 2$

5. $\text{Log}_{36}1296 = 2$ **6.** $\text{Log}_{14}196 = 2$

7. $\text{Log}_4 16 = 2$ **8.** $\text{Log}_{1/3}1/81 = -4$

9. $\text{Log}_2 1/4 = -2$ **10.** $\text{Log}_{19}361 = 2$

Name: _____   Date _____

Topic : <u>Express Logarithmic Form in Exponential Forms - Worksheet 2</u>

1. $\text{Log}_{1/3}243 = -5$ **2.** $\text{Log}_{36}216 = 3/2$

3. $\text{Log}_{7}1/343 = -3$ **4.** $\text{Log}_{13}169 = 2$

5. $\text{Log}_{16}4096 = 3$ **6.** $\text{Log}_{9}729 = 3$

7. $\text{Log}_{8}64 = 2$ **8.** $\text{Log}_{1/2}1/32 = -5$

9. $\text{Log}_{6}1/36 = -2$ **10.** $\text{Log}_{12}1728 = 3$

Name: _____   Date _____

1. $\text{Log}_{1/5}125 = -3$

2. $\text{Log}_{121}1331 = 3/2$

3. $\text{Log}_6 1/36 = -2$

4. $\text{Log}_{11}1331 = 3$

5. $\text{Log}_{18}324 = 2$

6. $\text{Log}_4 256 = 4$

7. $\text{Log}_8 512 = 3$

8. $\text{Log}_{1/4}1/64 = -3$

9. $\text{Log}_3 1/27 = -3$

10. $\text{Log}_{17}289 = 2$

Name: _____   Date _____

Topic : <u>Express Logarithmic Form in Exponential Forms - Worksheet 4</u>

1. $\text{Log}_{1/36}1296 = -2$ **2.** $\text{Log}_{144}1728 = 3/2$

3. $\text{Log}_{14}1/196 = -2$ **4.** $\text{Log}_{19}361 = 2$

5. $\text{Log}_4 64 = 3$ **6.** $\text{Log}_5 625 = 5$

7. $\text{Log}_3 243 = 5$ **8.** $\text{Log}_{1/8}1/512 = -3$

9. $\text{Log}_9 1/81 = -2$ **10.** $\text{Log}_{19}361 = 2$

Name: _____   Date _____

Topic : <u>Express Logarithmic Form in Exponential Forms - Worksheet 5</u>

1. $\text{Log}_{1/12}1728 = -3$

2. $\text{Log}_{64}256 = 4/3$

3. $\text{Log}_{13}1/2197 = -3$

4. $\text{Log}_{15}225 = 2$

5. $\text{Log}_{2}64 = 6$

6. $\text{Log}_{6}216 = 3$

7. $\text{Log}_{4}1024 = 5$

8. $\text{Log}_{1/7}1/343 = -3$

9. $\text{Log}_{5}1/125 = -3$

10. $\text{Log}_{14}2744 = 3$