Bell Work: 1-23-19

Write in exponential form.

1) $\sqrt{(2m)^4} = (2m)^{4/2}$ $(2m)^{\frac{4}{2}}$

Write in radical form

2) $(27x^4)^{4/3}$ $\sqrt[3]{(27x^4)^4}$

Radical expressions

$\sqrt{64} = \sqrt{8 \cdot 8} = 8$

$\sqrt[3]{27} \quad \sqrt[3]{9 \cdot 3} = \sqrt[3]{3 \cdot 3 \cdot 3} = 3$

$\sqrt[4]{16} = \sqrt[4]{4 \cdot 4} = \sqrt[4]{2 \cdot 2 \cdot 2 \cdot 2} = 2$

On a sheet of notebook paper, Title your paper

Radical Expressions.

Complete these problems. HAND ASSIGNMENT TO ME AS YOU LEAVE THE CLASSROOM

1) $\sqrt{36}$

2) $\sqrt{100}$

3) $\sqrt[3]{64}$

4) $\sqrt[3]{125}$

(5) $\sqrt[3]{1}$

(6) $\sqrt[4]{256}$

(7) $\sqrt{m^2}$

(8) $\sqrt[3]{c^3}$

(9) $\sqrt[4]{81}$

(10) $\sqrt[4]{e^4}$