Bellwork 1-18-19 Simplify.

$$\frac{9}{27} = \frac{1}{3}$$
 $N^{5-5} = N^{0} = 1$

$$N^{s-s}=n^{o}=1$$
 $\frac{1}{3}(1)=\frac{1}{3}$

1)
$$\frac{9n^{5}}{27n^{5}}$$
 (2) $\frac{16x^{9}}{12x^{11}}$ (3) $\frac{11}{8}$ $\frac{9}{12} = \frac{1}{3}$ $\frac{16}{12 \cdot 9} = \frac{1}{3}$ $\frac{16}{12 \cdot 9} = \frac{1}{3}$ $\frac{12}{12 \cdot 9} = \frac{1}{12}$ $\frac{12 \cdot 9}{12 \cdot 9} = \frac{1}{12}$

Dividing exponents with two variables

1)
$$18 \times 6 \times 9$$
 $8 \times 3 \times 5$

(2) $24 \times 6 \times 5$
 20×9
 $18 \div 2$
 9
 $19 \div 2$
 $10 \div 2$
 10

$$5 = 5^{1} = 5^{1.3}$$
3) $\left(\frac{5 \times 5}{8 \times 3}\right)$

$$\frac{5^{3} \times 5.3}{8 \times 3}$$

$$\frac{5^{3} \times 7.3}{125 \times 15}$$

$$\frac{125 \times 6}{512}$$

$$\frac{125 \times 6}{512}$$

$$\frac{7}{4} \frac{3}{4} \frac{3}$$