

DDec 4- bell ringer

$$\left(\frac{-16x^5 y^{-2} z^{-3}}{18x^{-4} y^6 z^{-1}} \right)^{-3}$$

$$= \left(\frac{-8x^9}{9y^8 z^2} \right)^{-3}$$

$$\left(-\frac{9y^8 z^2}{8x^9} \right)^3 = \frac{-729y^{24} z^6}{512x^{27}}$$

Assignment:

Worksheet 7-1 & 7-2

Quiz tomorrow

54

$$\left(\frac{2a^{+2}b^4c^2}{-4a^{-2}b^{-5}c^{-7}} \right)^{-1}$$

$$\left(\frac{-1b^9c^9}{2} \right)^{-1} = \left(\frac{2}{-1b^9c^9} \right)^1$$

$$\frac{-2}{b^9 c^9}$$

$$52) \frac{(5pr^2)^{-2}}{(3p^{-1}r)^3}$$

$$\frac{5^{-2} p^{-2} r^4}{3^3 p^{-3} r^3}$$

$$3^3 p^{-3} r^3$$

$$\begin{array}{r} P' r' \\ \hline 5^2 \cdot 3^3 \end{array}$$

$$\begin{array}{r} pr \\ \hline 25 \cdot 27 \end{array}$$

$$\begin{array}{r} pr \\ \hline 675 \end{array}$$

56)

$$\left(\frac{4^6 c^2 d^3 f}{2c^{-4} d^{-5}} \right)^{-3}$$

$$\left(\frac{c^6 d^8 f}{2} \right)^{-3}$$

$$\left(\frac{2}{c^6 d^8 f} \right)^3$$

()

8

c¹⁸ d²⁴ f³