

8th Grade Lesson 99

- I can simplify expressions containing exponents and signed numbers.

$$\begin{array}{l} \star \Rightarrow \begin{array}{l} 4^2 \\ (4)(4) \\ 16 \end{array} \\ \star \Rightarrow \begin{array}{l} -4^2 \\ -(4)(4) \\ -16 \end{array} \\ \star \Rightarrow \begin{array}{l} (-4)^2 \\ (-4)(-4) \\ 16 \end{array} \end{array}$$

$$\begin{aligned} & -4^2 - (-3)^2 - 3^3 \\ & - (4)(4) - (-3)(-3) - (3)(3)(3) \\ & - (16) - (9) - (27) \\ & -52 \end{aligned}$$

$$\begin{aligned} & (-3)^3 - (-2)^3 - 2^2 \\ & (-3)(-3)(-3) - (-2)(-2)(-2) - (2)(2) \\ & (-27) - (-8) - (4) \\ & -23 \end{aligned}$$

$$\begin{aligned} & -(-2)^3 - (-2)^2 \\ & - (-2)(-2)(-2) - (-2)(-2) \\ & - (-8) - (4) \\ & 4 \end{aligned}$$

$$\begin{aligned} & -2^2 - (-2)^2 - (-2)^3 \\ & - (2)(2) - (-2)(-2) - (-2)(-2)(-2) \\ & - (4) - (4) - (-8) \\ & 0 \end{aligned}$$



Assignment

Problem Set 99

#5-6, 16-19, 22-25