

## Using Exponent Rules

TRY: evaluate each of the following expressions. Leave no negative exponents.

$$(2x^{-1}y^2)^{-3}$$

$$-2y^{-3}(-5y^{-4})$$

$$\frac{(a^2)^{-3}}{(a^{-2})^4}$$

$$\frac{-3y(3y^{-3})}{6y^{-2}}$$

$$(x^{-2})^3(x^{-3})^{-2}$$

$$\left(\frac{ab^{-3}}{a^2b}\right)^{-2}$$

$$-3a^5b^{-6} \cdot 2a^{-5}b^2$$

$$\frac{-3y^{-3}}{y^{-2}z^3}$$