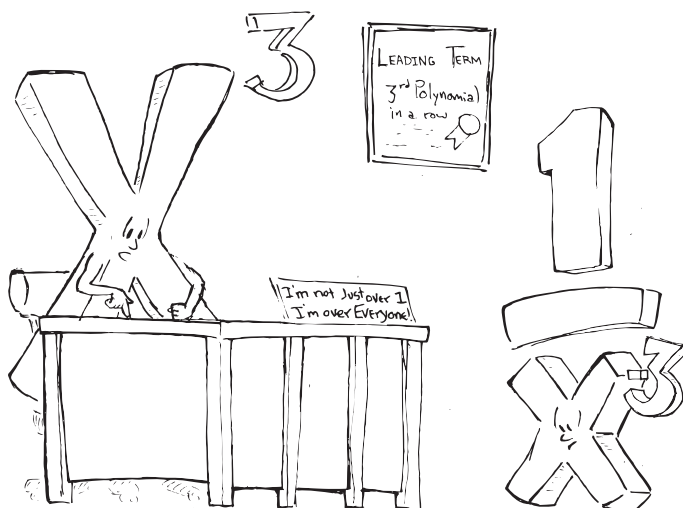


Student Activity

Match Up on Trickier Exponent Rules

Match-up: Match each of the expressions in the squares of the grid below with an equivalent simplified expression from the top. If an equivalent expression is not found among the choices A through D, then choose E (none of these).

- A** 1 **B** $\frac{4}{x^2}$
C $9x^2y^3$ **D** $\frac{-9x^4}{y^3}$
E None of these



Mark my words! You harness that negative power of yours, and you can make it to the top just like me!

$(4x^{-2})^0$	$(4x)^{-2}$	$4x^{-2}$	$4x^0$	$(2x)^{-2}$
$\left(\frac{x}{2}\right)^{-2}$	$\frac{(-3xy)^2}{y^{-1}}$	$\frac{3^{-2}y^{-3}}{x^{-4}}$	$\frac{-(3x^2y)^2}{y^5}$	$\left(\frac{100x^{27}y^{35}}{a^4b^5}\right)^0$
$\left(\frac{x}{2}\right)^2$	$(9x^2y^3)^0$	$\left(-\frac{y}{a^4b^4}\right)\left(\frac{3xab}{y}\right)^4$	$y^7\left(\frac{y^2}{3x}\right)^{-2}$	$(2yz)^2(xyz)^{-2}$
$4\left(\frac{1}{x^2}\right)^0$	$8x^2\left(\frac{x^{-2}}{8}\right)$	$3(x^2y^2)(3x^2y^2)^{-1}$	$\frac{(2x^{-1}z^2)^2}{z^4}$	$\frac{-12x^4}{5}\left(\frac{5}{-12x^4}\right)$