

10. Identify the  $x$ -value to the systems of equations.

$$\begin{aligned} -1(8x + 6y) &= (88) - 1 \\ 2x + 6y &= 112 \end{aligned}$$

$$\begin{array}{r} -8x - 6y = -88 \\ 2x + 6y = 112 \\ \hline -6x = 24 \\ \hline -6 \quad -6 \end{array}$$

$$x = -4$$

11. Simplify:  $\left( \frac{xy^2}{x^5y} \right)^{-2}$

$$= \frac{x^{-2} y^{-12}}{x^{-10} y^{-2}}$$

$$= \frac{x^8 \cancel{x^{-10}} \cancel{y^2}}{\cancel{x^2} \cancel{y^2} y^{10}}$$

$$= \frac{x^8}{y^{10}}$$