

Simplify each monomial

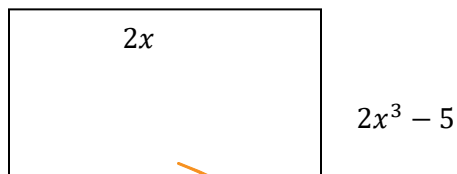
1) $\left(\frac{-3x^2yz^2}{2x^3y^2z^3}\right)^3 \rightarrow \frac{-27x^6y^3z^6}{8x^9y^6z^9}$
 2) $(6x^4y^3z)(-3xy^5) = -18x^5y^8z$

3) $(-2x^3)^2(-4xy)^3 = 4x^6(-64)x^3y^3 = -256x^9y^3$

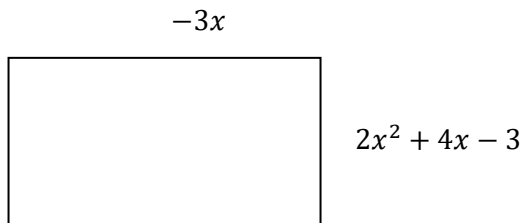
4) $\frac{-3x^3y^2z^{-4}}{12x^4y^{-3}z^2} = \frac{-3x^3y^2z^3}{12x^4z^2z^4} = \frac{-1y^5}{4xz^6}$

5) $\left(\frac{-3x^3y^{-2}z^5}{9x^5y^4z^{-3}}\right)^{-2} = \frac{81x^{10}y^8z^8}{-9x^6z^6z^5} = \frac{-9x^4y^{12}}{z^{11}}$

Find the area of the rectangle



$4x^4 - 10x$



$-6x$

Solve each system

10) $y = x^2 + 2x + 4$

$y = 6x + 1$

11) $y = 5x - 20$

$y = x^2 - 5x + 5$

12) $y = x^2 - 11x - 36$

$y = -12x + 36$

13) $y = x^2 - 6x + 9$

$y + x = 5$