Name _____   Date _____

Properties of Exponents: Matching #1

For each expression in the left column, find an equivalent expression in the right column. Then write the corresponding letter on the line.

_____ $x^3 \cdot x^4$

    a. $(x^4)^2$

_____ $x^5 \div x^3$

    b. $x^{17} \div x^2$

_____ $(x^2)^7$

    c. $x^{-8} \cdot x^{-8}$

_____ $x^{-3} \cdot x^9$

    d. $x^{15} \div x^8$

_____ $(x^4)^3$

    e. $x^{-4} \cdot x^6$

_____ $x^{-2} \cdot x^{-7}$

    f. $(x^{-3})^3$

_____ $(x^{-5})^{-3}$

    g. $x^2 \div x^{-4}$

_____ $x^{-9} \div x^7$

    h. $x^5 \cdot x^9$

_____ $x^2 \cdot x^6$

    i. $(x^{-2})^{-5}$

_____ $x^{12} \div x^2$

    j. $x^{16} \div x^4$