

# LCD Matching Worksheet

Name: \_\_\_\_\_

Match the least common denominator with the pair of rational expressions.

\_\_\_\_\_ 1.)  $\frac{1}{3x}, \frac{1}{9x^3}$

A.)  $5x$

\_\_\_\_\_ 2.)  $\frac{4x}{15}, \frac{3x^2}{5}$

B.)  $90x^3$

\_\_\_\_\_ 3.)  $\frac{17y^4}{x^2}, \frac{8y}{3x}$

C.)  $39x^5$

\_\_\_\_\_ 4.)  $\frac{3}{x^3}, \frac{-5}{7x^5}$

D.)  $9x^3$

\_\_\_\_\_ 5.)  $\frac{10}{13x^2}, \frac{10}{3x^5}$

E.)  $15$

\_\_\_\_\_ 6.)  $\frac{6x}{5}, \frac{-5}{x}$

F.)  $(x - 2)(x - 4)$

\_\_\_\_\_ 7.)  $\frac{x - 1}{x - 2}, \frac{x - 3}{x - 4}$

G.)  $3x^2$

\_\_\_\_\_ 8.)  $\frac{x + 1}{15x}, \frac{25}{18x^3}$

H.)  $7x^5$