

## Multiplying and Dividing Rational Expressions - Matching Worksheet

Match the problems to their final output.

\_\_\_\_\_ 1.  $\frac{5j+6}{3j-4} \div (2j+3)$

a.  $\frac{18w^2-33w-21}{4w-4}$

\_\_\_\_\_ 2.  $\frac{3w-7}{4w-4} \times (6w+3)$

b.  $\frac{56f^2-5f-6}{5f+4}$

\_\_\_\_\_ 3.  $\frac{5h+7}{4h-3} \div (5h+4)$

c.  $\frac{63t^2-31t-10}{2t-4}$

\_\_\_\_\_ 4.  $\frac{8f-3}{5f+4} \times (7f+2)$

d.  $\frac{49d^2+52d-36}{4d-6}$

\_\_\_\_\_ 5.  $\frac{7g+4}{2g-9} \div (4g+3)$

e.  $\frac{15x^2-15}{5x-4}$

\_\_\_\_\_ 6.  $\frac{9t-2}{2t-4} \times (7t+5)$

f.  $\frac{7g+4}{8g^2-30g-27}$

\_\_\_\_\_ 7.  $\frac{8b+4}{4b+6} \div (2b+4)$

g.  $\frac{3p+4}{6p^2-4p-10}$

\_\_\_\_\_ 8.  $\frac{7d-4}{4d-6} \times (7d+9)$

h.  $\frac{2b+1}{2b^2+7b+6}$

\_\_\_\_\_ 9.  $\frac{6p+8}{3p-5} \div (4p+4)$

i.  $\frac{5h+7}{20h^2+h-12}$

\_\_\_\_\_ 10.  $\frac{3x-3}{5x-4} \times (5x+5)$

j.  $\frac{5j+6}{6j^2+j-12}$

