

Name \_\_\_\_\_

Date \_\_\_\_\_

**Multiplying and Adding Rational and Irrational Numbers - Matching Worksheet**

Match the problems to the number that indicates if their sum or product will result in a rational or irrational value.

\_\_\_\_\_ 1.  $22 + 0.02$

a.  $\frac{460}{1}$  (Rational)

\_\_\_\_\_ 2.  $37 + 0.04$

b. 6.5825 (Irrational)

\_\_\_\_\_ 3.  $\sqrt{21} + 2$

c. 76.49 (Irrational)

\_\_\_\_\_ 4.  $\sqrt{13} + 10$

d. 20.40 (Irrational)

\_\_\_\_\_ 5.  $\sqrt{41} + 14$

e.  $\frac{22}{1}$  (Rational)

\_\_\_\_\_ 6.  $\sqrt{19} \times 12$

f.  $\frac{304}{1}$  (Rational)

\_\_\_\_\_ 7.  $\sqrt{26} \times 15$

g. 13.6055 (Irrational)

\_\_\_\_\_ 8.  $\sqrt{144} \times \sqrt{289}$

h.  $\frac{37}{1}$  (Rational)

\_\_\_\_\_ 9.  $\sqrt{256} \times \sqrt{361}$

i.  $\frac{204}{1}$  (Rational)

\_\_\_\_\_ 10.  $\sqrt{529} \times \sqrt{400}$

j. 52.31 (Irrational)

