

Name \_\_\_\_\_

Date \_\_\_\_\_

**Rewriting Radical and Exponential Expressions- Matching Worksheet**

Find the simplified values of each root on the left. Write the matching value's letter on the line.

- |           |                                    |    |                           |
|-----------|------------------------------------|----|---------------------------|
| _____ 1.  | $\sqrt{48}$                        | a. | $4\sqrt{5}$               |
| _____ 2.  | $\sqrt{20}$                        | b. | $\frac{8\sqrt{13}}{13}$   |
| _____ 3.  | $\sqrt{80}$                        | c. | $6\sqrt{5}$               |
| _____ 4.  | $\sqrt{49/11}$                     | d. | $4\sqrt{3}$               |
| _____ 5.  | $\sqrt{64}/\sqrt{13}$              | e. | $-4\sqrt{8} + \sqrt{16}$  |
| _____ 6.  | $\sqrt{81/7}$                      | f. | $3\sqrt{7}$               |
| _____ 7.  | $\sqrt{3} \times \sqrt{21}$        | g. | $\frac{7\sqrt{11}}{11}$   |
| _____ 8.  | $\sqrt{6} \times \sqrt{30}$        | h. | $-10\sqrt{6} + \sqrt{24}$ |
| _____ 9.  | $-\sqrt{8} \times (4 - \sqrt{2})$  | i. | $2\sqrt{5}$               |
| _____ 10. | $-\sqrt{6} \times (10 - \sqrt{4})$ | j. | $\frac{9\sqrt{7}}{7}$     |

