

Name \_\_\_\_\_

Date \_\_\_\_\_

**Approximations of Irrational Numbers - Matching Worksheet**

Match the word problems to their answers. Write the letter of the answer that matches the problem.

- |       |    |  |    |                         |
|-------|----|--|----|-------------------------|
| _____ | 1. | Find the approximation of $\sqrt{71}$  | a. | $\sqrt{11} < \sqrt{13}$ |
| _____ | 2. | Find the approximation of $\sqrt{180}$ | b. | $\sqrt{21} > \sqrt{20}$ |
| _____ | 3. | Find the approximation of $\sqrt{99}$  | c. | $\sqrt{7} < \sqrt{8}$   |
| _____ | 4. | Find the approximation of $\sqrt{150}$ | d. | 9.94                    |
| _____ | 5. | Compare $\sqrt{11}$ and $\sqrt{13}$    | e. | 8.42                    |
| _____ | 6. | Compare $\sqrt{7}$ and $\sqrt{8}$      | f. | 13.41                   |
| _____ | 7. | Compare $\sqrt{18}$ and $\sqrt{19}$    | g. | 12.24                   |
| _____ | 8. | Compare $\sqrt{20}$ and $\sqrt{21}$    | h. | $\sqrt{22} < \sqrt{23}$ |
| _____ | 9. | Compare $\sqrt{22}$ and $\sqrt{23}$    | i. | $\sqrt{19} > \sqrt{18}$ |

