

Please print this quiz, complete it by writing directly on the printed test, and then scan and upload your test. If you do not have access to a printer, please hand copy the questions/test, complete the questions showing your work, and then scan the paper. Place your final answers in the column on the right side of the paper.

Identify each number as rational or irrational. Each problem is worth one point.

1.) $\sqrt{46}$

2.) $\sqrt{196}$

3.) $\sqrt{3}$

4.) $-\frac{2}{5}$

5.) $0.\overline{24}$

Simplify the square root. Each problem is worth one point.

6.) $\sqrt{144}$

7.) $\sqrt{400}$

8.) $\sqrt{225}$

9.) $\sqrt{36}$

10.) $\sqrt{4}$

11.) $\sqrt{16}$

12.) $\sqrt{625}$

13.) $\sqrt{1}$

Estimate the value of each square root. What two consecutive whole numbers does each square root fall in-between? Each problem is worth two points.

14.) $\sqrt{6}$

15.) $\sqrt{80}$

16.) $\sqrt{55}$

17.) $\sqrt{12}$

18.) $\sqrt{111}$

19.) $\sqrt{42}$

1.) _____

2.) _____

3.) _____

4.) _____

5.) _____

6.) _____

7.) _____

8.) _____

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10.) _____

11.) _____

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13.) _____

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19.) _____