

8.NS.1-2 Review Worksheet

Name _____

Date _____

1. Which number is an irrational number? A) $\sqrt{81}$ B) $\frac{8}{9}$ C) $\sqrt{92}$ D) $0.\overline{89}$

Explain how you know.

2. Look at the following seven numbers. Write each of the numbers in the table at the right

2π 6.5 $\sqrt{6}$ $\frac{1}{6}$ $0.\overline{6}$

0.616611666111... $\sqrt{16}$

| Rational Numbers | Irrational Numbers |
|------------------|--------------------|
| | |

3. Mark a DOT on a number line that best represents the location of $-\sqrt{45}$.

4. On a test, Suzi was asked to plot the $\sqrt{8}$ on a number line. She drew the following diagram.



Did Suzi correctly plot $\sqrt{8}$ on the number line? Show or explain how you found the answer.

5. Which list shows the numbers in order from least to greatest?

- A) $\frac{7}{3}$, 2.7, $\sqrt{5}$
 B) $\frac{7}{3}$, $\sqrt{5}$, 2.7
 C) $\sqrt{5}$, $\frac{7}{3}$, 2.7
 D) 2.7, $\sqrt{5}$, $\frac{7}{3}$