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RATIONAL AND IRRATIONAL NUMBERS WORKSHEETS

Determine if the number is rational or irrational (R or I) for questions 1-

5

1. 67

2. $\sqrt{29}$

3. $\frac{28}{16}$

4. 61.714813...

5. 91.5186

6. Which of the following rational numbers are between 1 and 2?

a. $\frac{5}{4}$

b. $\frac{13}{8}$

c. $\frac{23}{5}$

d. $\frac{7}{4}$

e. $\frac{93}{59}$

7. At point 1 of a two-dimensional plane, Rock is standing. He moves two units to the north, then three units to the west, then four units to the south, and finally one unit to the east. His new position can be defined in complex form as
- a. $-1-i$
 - b. $-1-2i$
 - c. $-i$
 - d. $-2i$
 - e. None of these
8. The collection of non-negative integers will be the same as the collection of
- a. Natural Numbers
 - b. Whole Numbers
 - c. Positive integers
 - d. All integers except the negative integers
9. If $x = \frac{1}{2-\sqrt{3}}$, then find the value of $11 + x^3 - 2x^2 - 7x - 6$

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in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

ANSWERS	
1.	I
2.	I
3.	R
4.	I
5.	R
6.	a. $\frac{5}{4}$ b. $\frac{13}{8}$ d. $\frac{7}{4}$ e. $\frac{93}{59}$
7.	b. $-1-2i$
8.	b. Whole Numbers d. All integers except the negative integers
9.	7