

Name: _____
Mrs. Roumbos

Date: _____
8A

The Real Number System Algebra 1 Homework

1. Which of the following is not an integer?

(1) -13

(2) $\frac{8}{2}$

(3) $\sqrt{36}$

(4) $\frac{13}{5}$

2. Which of the following is a rational number?

(1) $\sqrt{5}$

(2) $\frac{\pi}{2}$

(3) $-\frac{3}{2}$

(4) $\sqrt{20}$

3. Which of the following numbers is an integer but not a whole number?

(1) -5

(2) $\frac{12}{3}$

(3) π

(4) 8

4. Which of the following numbers is a rational number but not an integer?

(1) $\sqrt{12}$

(2) $-\frac{3}{7}$

(3) $\frac{15}{3}$

(4) -6

5. Determine the value of each variable shown below to the nearest *hundredth*. Then, plot the points on the number line.

$a = \sqrt{14}$

$b = -\frac{237}{102}$

$c = \frac{3\pi}{2}$

$d = \frac{-\sqrt{93}}{3}$

