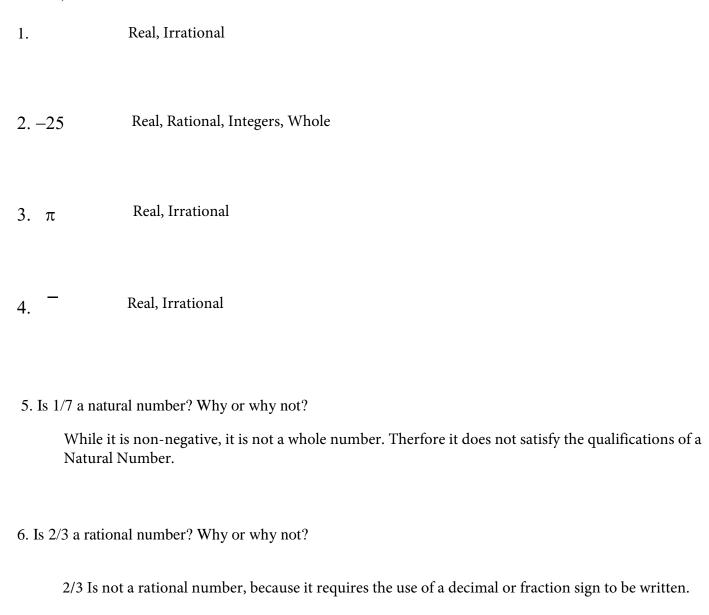
MATH E-3: Assignment 2

What set(s) of numbers do the following belong to (real, rational, irrational, integers, whole, natural). Be sure to list all for full credit.



Simplify if possible. If not, tell why you cannot:

5

8.

The Square Root of -27 is an imaginary number.

9.√

The square root of -36 is an imaginary number.

10.√

3

Solve the following. Remember you can rewrite those problems that are subtractions as additions of the opposite.

11. -27 - (-6)

-21

12. -3 - 15

13. -6 +9

3

Solve the following.

14. ———

Work:

$$(-6)(-4) = 24$$

24(3) = 72
-8 + -4 = -12

72 / -12 = -6

Answer:

-6

15. 5 - 6 (
$$^2 + 28 \div 7 * 2$$

Work:

Answer:

-75

16.
$$(-16) * 4 (-2) * (-3)$$

Work:

Answer:

-384

Solve the following.

Work:

Answer: -4

18.
$$(7-13)$$
 + 24 ÷ 4 *2

Work:

$$-6 + 6(-4)^2 + 24 / 4 * 2 =$$
 $-6 + 6(16) + 6 * 2 =$
 $-6 + 96 + 12 =$
 102

Answer:

102

19.

1