

Name _____

Date _____

Rational/Irrational Numbers

Classify the following numbers as rational or irrational. Explain your reasoning.

1. $\frac{3\pi}{4}$ _____

2. $0.\overline{345}$ _____

3. $\sqrt{5}$ _____

4. $\frac{\sqrt{16}}{2}$ _____

5. $0.12 \dots$ _____

6. $6000/1$ _____

Determine whether each problem is Rational or Irrational by marking an I or R.

1. $3/12$ _____ 2. $12-2$ _____ 3. $8.33865\dots$ _____

4. 0 _____ 5. $3.14141414\dots$ _____ 6. 12.52 _____

7. $.02202222$ _____ 8. $\sqrt{19}$ _____ 9. $4/2 + 5/2$ _____

10. $6000/1$ _____ 11. 1.234 _____ 12. $8,876,546$ _____

13. $\sqrt{64}$ _____ 14. $1/9$ _____ 15. $777.777777\dots$ _____

INTEGER PRACTICE

Copy the following problems into your MATH JOURNAL

Identify what type of a problem it is; opposite of, different signs, or same signs. If the second line happens to be another type of problem identify that one too. Solve like always, one step per line.

$$-13 - (-10)$$

$$-(-4) - 12$$

$$14 - (-7)$$

$$-(-16) - 20$$

$$-6 - (18)$$

$$-20 - 6$$

$$-4 - 16$$

$$-26 - (-9)$$

$$-34 - (-3)$$

$$46 - (-18)$$

$$-4x - 2x$$

$$-(-2x) + x$$