Unit 1, Activity 4, Classifying Numbers: Sums and Products of Rational and Irrational Numbers
Part I: Classify the real numbers below in all possible ways. HW 1-5/1-6

| Number | Irrational | Rational | Integer | Whole | Natural |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Example: 2 |  | $X$ | $X$ | $X$ | $X$ |
| A. -6 |  |  |  |  |  |
| B. $\frac{3 \pi}{4}$ |  |  |  |  |  |
| C. 17.3 |  |  |  |  |  |
| D. $3 \sqrt{2}$ |  |  |  |  |  |
| E. $\sqrt{16}$ |  |  |  |  |  |
| F. 8 |  |  |  |  |  |
| G. $\frac{3}{4}$ |  |  |  |  |  |
| H. 5.0 |  |  |  |  |  |
| I. -17.3 |  |  |  |  |  |
| J. $2 \sqrt{2}$ |  |  |  |  |  |

Part II. Perform the indicated operations. Classify each sum or product as rational or irrational by circling the appropriate classification.

Example: A + C $\quad-6+17.3=11.3$

| rational | irrational |
| :--- | :--- |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |
| rational | irrational |

