**Part A:** Are the numbers rational or irrational? Place the numbers in the appropriate box.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. $\frac{1}{8}$
 | 2. $-5$ | 3. $0$ | 4. $\frac{0}{100}$ |
| 5. $\sqrt{10}$ | 6. $\frac{5}{4}$ | 7. $\frac{-10}{5}$ | 8. $\sqrt{5}$ |

**RATIONAL**

**IRRATIONAL**

**Part B:** Express the following fractions as decimals and determine whether it is terminating or repeating.

|  |  |  |
| --- | --- | --- |
| 1. $\frac{16}{20}$ | 2. $\frac{9}{20}$ | 3. $\frac{7}{8}$ |
| 4. $\frac{8}{11}$ | 5. $\frac{14}{11}$ | 6. $\frac{10}{12}$ |

**Part C:** Express the following decimals as fractions.

|  |  |  |
| --- | --- | --- |
| 1. $0.142$ | 2. $0.65$ | 3. $0.175$ |
| 4. $0.\overbar{07}$ | 5. $0.93…$ | 6. $0.\overbar{612}$ |