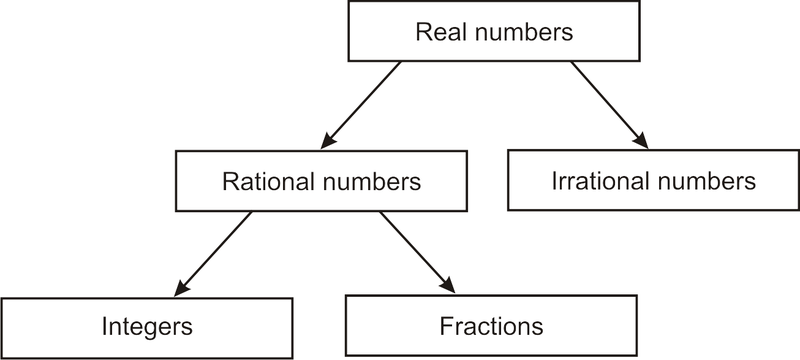
BECA / Huson / 10.3 Geometry Name:

**Classwork: Number Classification**

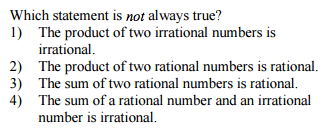
***Part 1:*** Add numerical examples to the following number classification flow-chart:

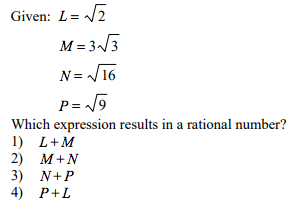
***Part 2:*** *Fill out the table below, characterizing each number as either rational or irrational:*

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Simplified Answer**  **(use calculator)** | **Rational Number** | **Irrational Number** |
| *Example*) | *8.666666… =* | ✓ |  |
| 1) 14 |  |  |  |
| 2) |  |  |  |
| 3) |  |  |  |
| 4) |  |  |  |
| 5) 6 ¾ + 2 ¾ |  |  |  |
| 6) -12.5 + 2 |  |  |  |
| 7) |  |  |  |
| 8) |  |  |  |
| 9) 1 + |  |  |  |
| 10) |  |  |  |
| 11) |  |  |  |
| 12) |  |  |  |

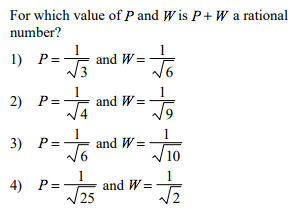
***Part 3. Regents Review Practice***

1. Is the product of and rational or irrational? Explain your answer.
2. Is the sum of 4 and rational or irrational? Explain your answer.





4.



5.