Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CCM8

Estimating the Value of Irrational Numbers

Definitions

|  |  |
| --- | --- |
| Rational Numbers |  |
| Irrational Numbers |  |

|  |  |
| --- | --- |
| VIC#1 |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 22 | 32 | 42 | 52 | 62 | 72 | 82 | 92 | 102 | 112 | 122 |
|  |  |  |  |  |  |  |  |  |  |  |  |

Examples:

1. 
2. 
3. 
4. 
5. 
6. 
7. 

Estimate the value of each irrational number:

1. 
2. 
3. 
4. The square root of an irrational number is about 8. What might it be?

Challenge You Try!

1. What are the square roots of two rational numbers that are just a bit larger than pi2?