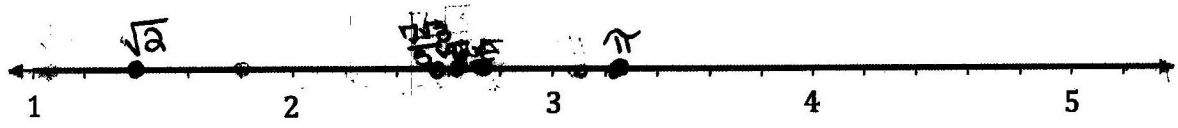
Use a calculator to estimate the value of each irrational number. Then, order the numbers by graphing each on the number line. The value of e is approximately 2.718281828459.

$\sqrt{2}$ π $\frac{7\sqrt{3}}{5}$ $\sqrt{6}$ $e = 2.718281828459$



$\sqrt{2}$

1 2

× 1.2 × 1.2 = 1.44
× 1.3 × 1.3 = 1.69
— 1.4 × 1.4 = 1.96
× 1.5 × 1.5 = 2.25

$\pi = 3.14\ldots$

$\frac{7\sqrt{3}}{5}$

$\sqrt{3}$

1 2

× 1.5 × 1.5 = 2.25
× 1.6 × 1.6 = 2.56
× 1.7 × 1.7 = 2.89
— 1.8 × 1.8 = 3.24

$\frac{7 \times 1.8}{5} = \frac{12.6}{5} = 2.52$

$\sqrt{6}$

2 3

× 2.3 × 2.3 = 5.29
× 2.4 × 2.4 = 5.76
— 2.5 × 2.5 = 6.25