Rational Number Maze Name _____

Complete the maze by determining if the numbers are rational or irrational. Color in the squares containing rational numbers. When you are finished you should have a path leading from the start to the end. Always simplify first.

Rational Numbers can be ...

- ★ whole number
- ★ decimals that repeat
- ★ Integers
- ★ decimals that terminate
- ★ negative numbers
- ★ natural numbers
- ★ fractions that can be written as decimals

Start Here	-3	$\sqrt{7}$	4.25	$\sqrt{144}$	3/10
$\frac{\sqrt{3}}{2}$	6/3	2.95	$2\frac{2}{3}$	π	0.33333 33333...
$\pi + 3$	$\sqrt[3]{9}$	0.12323 4345456 567...	$3 + \sqrt{71}$	$\frac{2}{0}$	5/2
$\frac{0}{2}$	-31	$3 + \sqrt{81}$	3^2	2 - 3	0 - 4
2^3	3π	9.89012 34562...	1.12112 21112...	$5 - \sqrt{3}$	9.23242 52627...
4/3	$4\sqrt{5}$	$4\sqrt{4}$	$\sqrt[3]{8}$	9	$\sqrt{5}$
-2/4	$-\sqrt{9}$	$3 - \frac{3}{4}$	$6\sqrt{3}$	-25/37	End Here

Name _____

Directions: Shade all of the spaces that have irrational numbers to reveal a secret message.

6π	.0389...	3.1	1000	$\frac{\pi}{5\pi}$	-0.1	$\sqrt{14}$	88	$\frac{\pi}{4}$	7.8	$-\sqrt{3}$
1	58	7π	$\frac{1}{3}$	.333...	$\frac{1}{52}$	-2π	9	$\frac{\pi-2}{2+\pi}$	61	$\sqrt{18}$
$\frac{\pi}{1+\pi}$	$\frac{2\pi}{2+\pi}$	$\frac{111}{22}$	13	-700	$\frac{-9}{2}$	50π	$\pi-\pi$	$\frac{2\pi}{7}$	$\frac{\pi}{25+\pi}$	$-\sqrt{8}$
144	$\frac{4\pi}{2\pi}$	$\frac{5}{\pi}$	-4.32	$\frac{100}{2}$	-5.5	3π	$\frac{10}{2}$	0.005	.12	7.5324...
-8π	$\frac{5\pi}{4+\pi}$	$10\frac{1}{3}$	3.14	.208...	400	8π	$.\overline{13}$	$\frac{4}{5}$	8.364	0.1856...
$\sqrt{144}$	$\frac{\pi}{2\pi}$	2.12	9.9	.1212...	0.12	$\sqrt{400}$	$-\frac{7}{2}$	$\sqrt{49}$	$\frac{30\pi}{\pi}$	$.0\overline{38}$
$\sqrt{40}$	$\sqrt{16}$	$4\frac{1}{2}$	.9025...	.1278...	$\frac{1}{2}$	$\pi\sqrt{4}$	4π	8π	-5π	400π
$\sqrt{65}$	$\sqrt{81}$	100	33π	$\sqrt{9}$	$\frac{3\pi}{2\pi}$	$.\overline{8}$	$6\sqrt{2}$	2.01	$\frac{6\pi}{27}$	$\frac{91}{32}$
$\sqrt{5}$	$\sqrt{900}$	.2578...	.6208...	-2	3.82	73.9	$5\sqrt{5}$	$\frac{-411}{3}$	$\frac{\pi}{2}$	72
$\sqrt{1}$	7	32	$\sqrt{121}$	$\frac{\pi+2}{2+\pi}$	.0002	.1923	$\frac{\pi}{\pi}$	$.\overline{1}$	$.\overline{34}$	65
$\sqrt{6}$	$\frac{6\pi}{8}$	76	5.4	0.301	2π	887	.258	$\sqrt{500}$	197	$3\sqrt{2}$
55π	0.9	$4\pi+\pi$	-934	$\sqrt{99}$	0	$\sqrt{15}$	4.5	$2\pi-\pi$	$-\pi$	$\sqrt{126}$
42π	24	$\frac{\pi}{3}$	-8.9	$\frac{\pi}{2+\pi}$	π	$\sqrt{800}$	$8.5\overline{4}$	$\sqrt{100}$	$\sqrt{200}$	$.\overline{2}$
.2018...	$\sqrt{10}$	1.563	55.78	$\sqrt{12}$	-0.23	$\sqrt{120}$	9	1000	$\frac{\pi}{7+\pi}$	8.009