

Operations with Rational and Irrational Numbers

1. Rational + Rational = Rational

2. Rational \times Rational = Rational

3. Rational + Irrational = Irrational

4. Rational \times Irrational = Irrational

Exit slip - 1/12

~~Ex~~ Tell whether each number is rational or irrational and explain why.

1. $\frac{\sqrt{3}}{5}$ Irrational,
doesn't terminate
or repeat

2. 12.725 Rational,
terminating
decimal

Fill in the blank.

3. Rational + Rational = Rational

4. Irrational \times Rational = Irrational

5. Rational \times Rational = Rational

6. Rational + Irrational = Irrational