

Inverse

Name: _____ Period: _____

Fraction

~~not fraction~~

Squares and Square Roots

For #11-15: Determine if number is **Rational or Irrational**

Simplify:

1. $4^2 = 16$

2. $(-5)^2 = 25$

3. $(\frac{1}{2})^2 = \frac{1}{4}$

4. $-5^2 = -25$

5. $-(6)^2 = -36$

6. $\sqrt{16} = 4$

~~7.~~ $\sqrt{13^2} = 13$

8. $\sqrt{144} = 12$

9. $\sqrt{\frac{9}{49}} = \frac{3}{7}$

10. $-\sqrt{64} = -8$

11. $\sqrt{225}$: Rational

12. $\sqrt{36}$: Rational

13. $\sqrt{\frac{2}{15}}$: Irrational

14. $\sqrt{\frac{16}{25}}$: $\frac{4}{5}$ Rational

15. $\sqrt{3}$: Irrational