

Name _____

Concept Review (1)

1.) Define rational number: _____

Identify the following as rational or irrational.

2.) $\sqrt{144}$ R / I 3.) $\sqrt[3]{912}$ R / I 4.) $\frac{-25}{7}$ R / I

5.) -17.083 R / I 6.) 0 R / I 7.) φ R / I

List the 3 things a rational decimal can do.

8.) _____

9.) _____

10.) _____

Prove the following:

11.) **Prove** that $6.\overline{3}$ is a fraction

12.) **Prove** that $19.\overline{93}$ is a fraction

Give each decimal as a fraction.

13.) $5.\overline{14}$ _____

14.) 6.25 _____

15.) $-9.\overline{123}$ _____

16.) 111.4 _____

17.) $0.\overline{8}$ _____

18.) $-3.00\overline{5}$ _____

