Name _____ Date _____ **Answer Key**

Rational and Irrational Numbers: True or False

Part 1: Determine if each statement is true or false. Then, circle your answer.

1. 12.05 is an irrational number.

True   (**False**)

2. π is an irrational number.

(**True**)   False

3. $-2\frac{2}{3}$ is a rational number.

(**True**)   False

4. $\sqrt{7}$ is a rational number.

True   (**False**)

5. $-\sqrt{121}$ is a rational number.

(**True**)   False

6. $-5.\overline{3}$ is an irrational number.

True   (**False**)

7. $\sqrt{8} + 17$ is a rational number.

(**True**)   False

8. 3π is a rational number.

True   (**False**)

9. $\sqrt{36} - \sqrt{20}$ is a rational number.

True   (**False**)

10. π + 8 is an irrational number.

(**True**)   False

11. $17.\overline{18}$ is an irrational number.

True   (**False**)

12. $5π + \sqrt{64}$ is an irrational number.

(**True**)   False

Part 2: Now, correct the false statements in part 1. Change the number in each false statement to make the statement true. Be sure to use numbers that have not been used in the other problems. Student answers will vary.