

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. $-5.\bar{3}$ 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. $\pi + 8$ is an irrational number.

True False

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

True False

12. $5\pi + \sqrt{64}$ 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.