Pre-test **Unit Real numbers** **Time 10 minutes**

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Direction: Choose the best answer.

1. Which is the correct decimal form of $\frac{16}{11}$? (Understand, MA 1.1 G.8/2)

A. $0.\dot{4}\dot{5}$ B. $0.4\dot{5}$ C. $1.\dot{4}\dot{5}$ D. $1.\dot{5}\dot{4}$

2. Which is the correct fraction form of $3.\dot{3}\dot{9}$? (Understand, MA 1.1 G.8/2)

A. $\frac{336}{99}$ B. $\frac{363}{99}$ C. $\frac{336}{90}$ D. $\frac{363}{90}$

3. Which one is a list of irrational numbers? (Understand, MA 1.1 G.8/2)

A. 0.29282726..., $\left(\sqrt{3}\right)^4$, π

B. 321.234234..., $\sqrt{25}$, π

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C. 0.5656656665..., $3\sqrt{3}$, π

D. 90.121212..., $\sqrt{16}$, π

4. Which one is an irrational number? (Understand, MA 1.1 G.8/2)

A. $\sqrt{\frac{27}{3}}$

B. $\sqrt{16} - \sqrt{12}$

C. $\left(\sqrt{3}\right)^6$

D. $\left(\sqrt{18} - 3\sqrt{2}\right)\pi$

5. Which is a part of the real number system? (Remember, MA 1.1 G.8/2)

A. Integers

B. Rational Numbers

C. Irrational Numbers

D. All of above

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6. Which is incorrect? (Remember, MA 1.1 G.8/2)

A. There is a rational number which is also an integer.

B. There is an integer which is a rational number.

C. Product of a rational number and an irrational number is always irrational.

D. Recurring decimals are rational number.

7. Which one does not belong to the real number system? (Remember, MA 1.1 G.8/2)

A. Imaginary numbers

B. Rational numbers

C. Irrational numbers

D. Integers

8. Which one is true? (Understand, MA 1.1 G.8/2)

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A. Some integers are irrational.

B. $-\pi$ is an irrational number

C. Some irrational numbers can be represented by points on the real number line.

D. Integers are not always rational.

9. Which is correct about square roots? (Understand, MA 1.1 G.8/2)

A. $\sqrt{a^2} = a, -a$

B. $\sqrt{x^4} = -x^2$

C. $\sqrt{x^4} = x^2$

D. $\sqrt{x^2} = x$

10. Which is the value of $-\sqrt{2025}$? (Understand, MA 1.1 G.8/2)

A. 35 B. -35 C. 45 D. -45