

Irrational Numbers and Square Roots
MCAS Worksheet 1

Name _____

1 Which of the following is closest to the value of $\sqrt{72}$?

- A. 8.1
- B. 8.5
- C. 8.9
- D. 9.3

Mark your answer here: 1. A B C D

2 The Golden Ratio is defined by the expression shown below.

$$\frac{1 + \sqrt{5}}{2}$$

Which of the following is closest to the value of the ratio?

- A. 1.1
- B. 1.6
- C. 2.1
- D. 2.9

Mark your answer here: 2. A B C D

3 Which of the following statements is true?

- A. $\pi = \sqrt{8}$
- B. $\pi > \sqrt{8}$
- C. $\pi = \sqrt{12}$
- D. $\pi > \sqrt{12}$

Mark your answer here: 3. A B C D

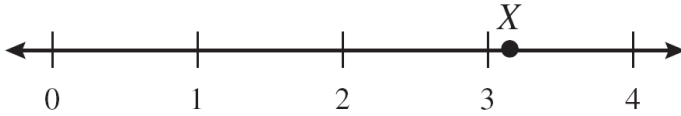


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- 4** Point X is graphed on the number line as shown below.

Mark your answer here: 4. (A)(B)(C)(D)



Which of the following numbers is closest to the location of point X ?

- A. $\sqrt{6}$
- B. $\sqrt{8}$
- C. $\sqrt{11}$
- D. $\sqrt{13}$

- 5** Between which of the following two integers does $3\sqrt{10}$ lie on the number line?

Mark your answer here: 5. (A)(B)(C)(D)

- A. 6 and 7
- B. 7 and 8
- C. 8 and 9
- D. 9 and 10

