



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 **Real numbers** are the set of integers and irrational numbers.

**True or false?**

- A true
- B false

3 Which number is **not irrational**?

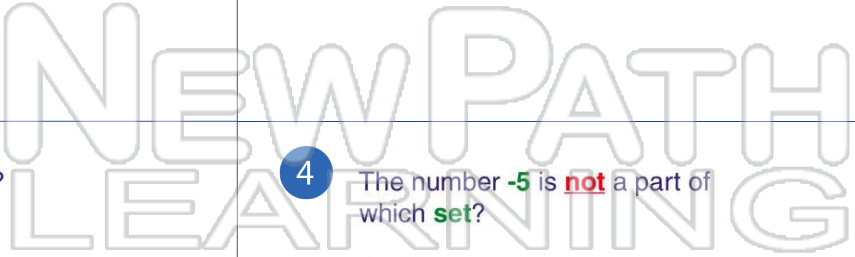
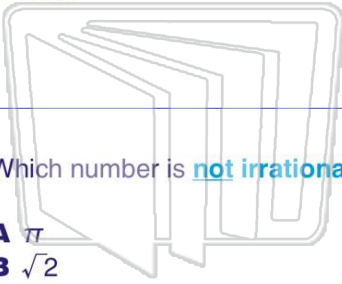
- A  $\pi$
- B  $\sqrt{2}$
- C  $\sqrt{189}$
- D  $\sqrt{196}$

2 Which number is **not rational**?

- A  $\frac{\sqrt{49}}{64}$
- B .142142...
- C  $\sqrt{.50}$
- D  $\sqrt{1.44}$

4 The number **-5** is **not** a part of which **set**?

- A integers
- B whole numbers
- C rational numbers
- D real numbers



5



## PREVIEW

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- B  $a = 4, b = 16$
- C  $a = 9, b = 16$
- D  $a = 4, b = 27$

- C =
- D  $\geq$

9

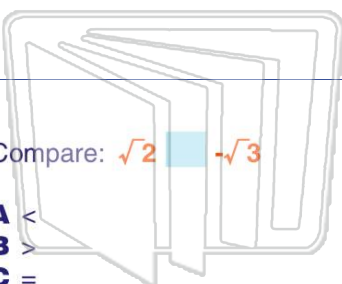
Compare:  $\sqrt{2}$   $-\sqrt{3}$

- A  $<$
- B  $>$
- C  $=$
- D  $\geq$

10

Compare:  $0.49$   $\sqrt{.49}$

- A  $<$
- B  $>$
- C  $=$
- D  $\geq$





## ANSWER KEY

**Real numbers** are the set of integers and irrational numbers.

**True or false?**

- A** true
- B** false

(b)

Which number is **not rational**?

- A**  $\frac{\sqrt{49}}{64}$
- B** .142142...
- C**  $\sqrt{.50}$
- D**  $\sqrt{1.44}$

(c)

Which number is **not irrational**?

- A**  $\pi$
- B**  $\sqrt{2}$
- C**  $\sqrt{189}$
- D**  $\sqrt{196}$

(d)

The number **-5** is **not** a part of which **set**?

- A** integers
- B** whole numbers
- C** rational numbers
- D** real numbers

(b)



## PREVIEW

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- C**  $a = 9, b = 16$
- D**  $a = 4, b = 27$

**D**  $\geq$

Compare:  $\sqrt{2}$    $-\sqrt{3}$

- A**  $<$
- B**  $>$
- C**  $=$
- D**  $\geq$

(b)

Compare:  $0.49$    $\sqrt{.49}$

- A**  $<$
- B**  $>$
- C**  $=$
- D**  $\geq$

(a)