

# Certification Exams

## PRAXIS-Mathematics-Section

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## Question: 1

If  $x = -5$ , then  $|x - 7| =$

- A. -12
- B. 2
- C. 10
- D. -2
- E. 12

**Answer: E**

Explanation:

Explanation: Remember that absolute value is the distance from zero on a real number line, and therefore cannot be zero

## Question: 2

John's sock drawer contains 4 pairs of green socks, 7 pairs of black socks, and 7 pairs of red socks. If John reaches into the drawer at random, what are his chances of NOT selecting a pair of green socks?

- A.  $1/3$
- B.  $7/9$
- C.  $2/5$
- D.  $10/18$
- E.

**Answer: B**

Explanation:

Explanation: 14 of the 18 pairs of socks are not green; the fraction  $14/18$  can be simplified as  $7/9$

## Question: 3

$9/20 =$

- A. 50%
- B. 45%
- C. 40%

- D. 35%
- E. 25%

**Answer: B**

Explanation:

Explanation: Multiply both 9 and 20 by 5.

### Question: 4

What percent of 38 is 16?

- A. 16%
- B. 40%
- C. 35%
- D. 38%
- E. 42%

**Answer: E**

Explanation:

Divide 16 by 38 and multiply by 100.

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