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**Exam : PRAXIS Mathematics Section**

**Title : Pre-Professional Skills Test  
(PPST) - Mathematics  
Section**

**Version : DEMO**

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

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

**Answer: E**

**Explanation:**

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

2.Solve and simplify:  $\frac{2}{3} \times \frac{3}{5} \times \frac{5}{10} \times \frac{6}{8} =$

- A. 0.2
- B. 0.5
- C. 0.15
- D. 0.25
- E. 0.333333333

**Answer: C**

**Explanation:**

Fractions are multiplied by multiplying numerators by numerators and denominators by denominators. Some of the fractions in this problem can be simplified.

3.If Dave drives at a steady speed of 50 miles per hour, how long will it take him to drive 10 miles?

- A. 20 minutes
- B. 10 minutes
- C. 15 minutes
- D. 30 minutes
- E. 12 minutes

**Answer: E**

**Explanation:**

Since there are 60 minutes in an hour, this problem can be solved with the following equation:  $\frac{50}{60} = \frac{10}{x}$

4.John will be  $x$  in 7 years.

How old was he last year?

- A.  $x + 7$
- B.  $1 - x - 7$
- C.  $x + 8$
- D.  $x - 8$
- E.  $7x$

**Answer: D**

**Explanation:**

The target age can be found by subtracting first seven and then one year from  $x$ .

5. Find the slope:  $4x - 5y = 20$

A.  $5/4$

B.  $4/5$

C.  $-4/5$

D.  $-5/4$

E.  $-4$

**Answer: B**

**Explanation:**

The equation form for slope is  $y = mx + b$ , in which  $m$  is slope.