

## Orientation Exercises (

1.  $\frac{14}{2} + 3(4 - 2) = ?$

- A. 12
- B. 13**
- C. 17
- D. 20
- E. 38

2.  $2\frac{2}{3} \times 1\frac{1}{3} = ?$

A.  $2\frac{2}{9}$

**B.  $3\frac{5}{9}$**

C.  $2\frac{1}{3}$

D.  $2\frac{5}{6}$

E. 3

3. What is the decimal equivalent of  $\frac{11}{20}$ ?

- A. 0.055
- B. 1.8
- C. 0.55**
- D. 0.11
- E. 5.5

4. If  $3x - 2 + 4x = 5$ , then  $x = ?$

- A. 3
- B. -3
- C. 7
- D. 1**
- E. -1

$7x - 2 = 5$   
 $7x = 7$   
 $x = 1$

5.  $6^2 + 2^5 \div 4^2 + 7^2 =$

- A. 187
- B. 77
- C. 78
- D. 99
- E. 87**

6. Solve for  $b$ :  $2b - 8 = 12$

- A. 10**
- B. 12
- C. 8
- D. 20
- E. 4

$2b = 20$   
 $b = 10$

7. "Eight less than 3 times a number  $n$ " is written in algebra as:

- A.  $8n - 3$
- B.  $8 - 3n$
- C.  $3n - 8$**
- D.  $8(3n)$
- E.  $8n - 8$

$3n - 8$

8. Solve for  $x$ :  $x - 13 = 17$

- A. 4
- B. 30**
- C. -30
- D. -4
- E. 15

9. What is 35.367 rounded to the nearest tenth?

- A. 35
- B. 35.3
- C. 35.4**
- D. 35.37
- E. 35.36

10.  $2[5 + 2(6 + 3 \cdot 4)] =$

- A. 41
- B. 72
- C. 51
- D. 32
- E. 82**