

SAMPLE QUESTIONS – TEST II

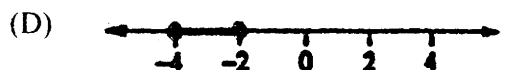
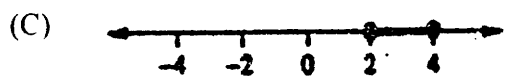
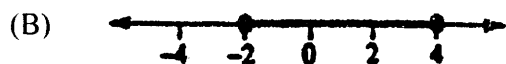
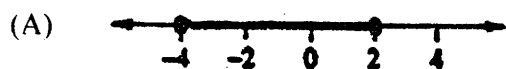
1. $3^0 + 3^2 =$

- (A) 6 (B) 8 (C) 9 (D) 10

2. $(3t - 4)^2 =$

- (A) $9t^2 - 16$ (B) $9t^2 + 16$ (C) $9t^2 - 24t - 16$ (D) $9t^2 - 24t + 16$

3. Which of the following is the graph of $-4 \leq x \leq 2$?



4. If Eric has x dimes and y nickels, which of the following represents the amount of money he has, in cents?

- (A) $5x + 10y$ (B) $10x + 5y$ (C) $(10 + 5)(x + 4)$ (D) $50(x + y)$

5. If the average (arithmetic mean) of the noon temperatures for the 4 days shown in the table to the right was 55° , what is the value of x ?

- (A) 55 (B) 56 (C) 57 (D) 61

DAILY NOON TEMPERATURE	
Day	Noon Temperature (in degrees Fahrenheit)
Monday	52°
Tuesday	54°
Wednesday	53°
Thursday	x°

6. If $6x - 3 = 8x - 9$, then $x =$

- (A) -6 (B) -3 (C) 3 (D) $\frac{-6}{7}$ (E) $\frac{6}{7}$

7. $3(x + 5y) - (x - 2y) =$

- (A) $2x + 7$ (B) $2x + 17y$ (C) $2x + 3y$ (D) $2x + 13y$ (E) $4x + 13y$

8. One of the factors of $x^2 - x - 6$ is

- (A) $x + 3$ (B) $x + 2$ (C) $x - 1$ (D) $x - 2$ (E) $x - 6$