

LEVEL 1**ALGEBRA READINESS TEST
TYPICAL QUESTIONS FROM COMPETENCY AREAS****Integers**

Jim wrote a check for \$318.00. If his balance was then \$2126.00, what was his balance before he wrote this check?

- (A) \$808 (B) \$1808 (C) \$2444 (D) \$5306

What number multiplied by 6 gives -18 as a result?

- (A) -12 (B) -3 (C) 3 (D) -54

Decimals

$\frac{7.20}{2.4} =$ (A) 0.03 (B) 0.30 (C) 3.00 (D) 30.0

Which of the following best approximates $1.147 - 114.7$?

- (A) -100 (B) -10 (C) 10 (D) 100

Fractions

The ratio of “winning” tickets to tickets sold in the California Lottery is 2 to 5. If 3,500,000 tickets are sold, how many are “winners”?

- (A) 700,000 (B) 750,000 (C) 1,400,000 (D) 1,500,000

$\frac{1 + \frac{1}{2}}{1 - \frac{3}{4}} =$ (A) -6 (B) -2 (C) 2 (D) 6

Exponents

If in the formula $p = kt$, $k = 36$ and $p = 144$, then $t =$

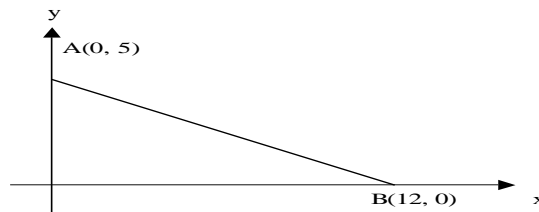
- (A) $\frac{1}{4}$ (B) 4 (C) 12 (D) 108

$4(b+2) =$ (A) $4b+2$ (B) $b+6$ (C) $b+8$ (D) $4b+8$

Geometry

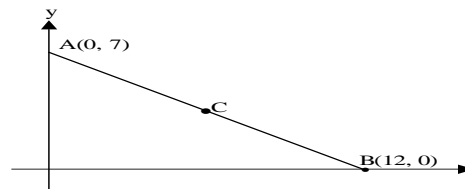
In the figure shown, what is the length of segment AB?

- (A) -5 (B) 5
(C) 13 (D) 19



If C is the midpoint of segment AB in the figure shown, then the coordinates of C are

- (A) $(\frac{7}{2}, \frac{7}{2})$ (B) $(6, \frac{7}{2})$
(C) $(\frac{19}{2}, \frac{7}{2})$ (D) $(19, \frac{7}{2})$



What is the diameter of the circle whose area is 36π ?

- (A) 12 (B) 18 (C) 6π (D) 18π

Answers: 1. C 2. B 3. C 4. A 5. C 6. D 7. B 8. D 9. C 10. B 11. A