

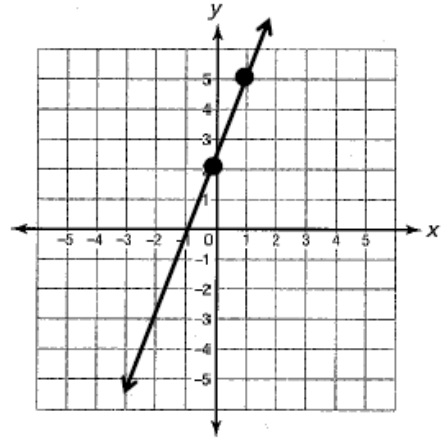
# Topic No. 03



#1

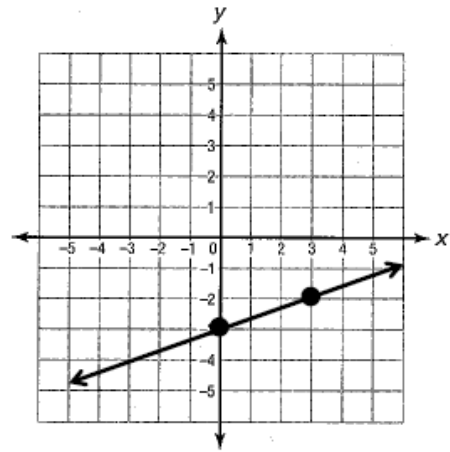
1. Which is the equation for this graph?

- (a)  $y = x + 2$
- (b)  $y = 2x + 2$
- (c)  $y = 3x + 2$
- (d)  $y = 3x - 2$



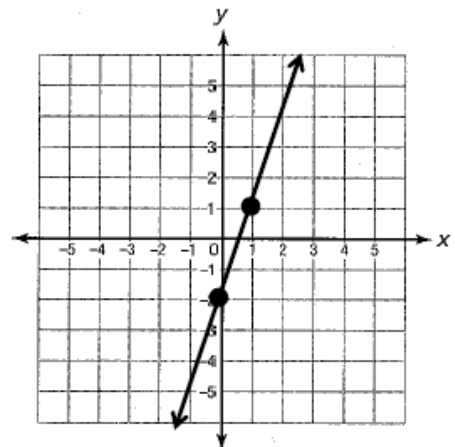
2. Which is the equation for this graph?

- (a)  $y = x - 3$
- (b)  $y = \frac{x}{2} - 3$
- (c)  $y = \frac{x}{3} - 3$
- (d)  $y = \frac{x}{4} - 3$

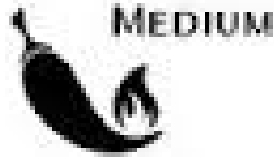


3. Which is the equation for this graph?

- (a)  $y = x - 2$
- (b)  $y = 2x - 2$
- (c)  $y = 3x - 2$
- (d)  $y = -3x - 2$



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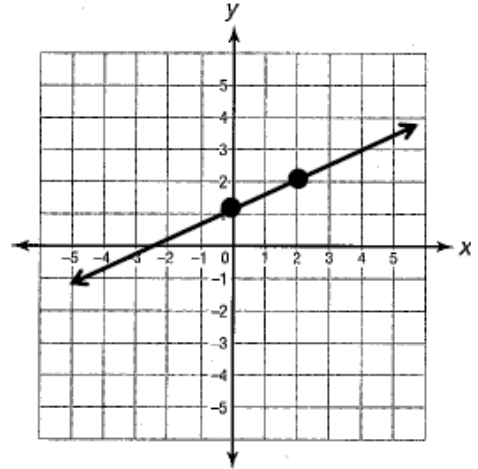
4. Which is the equation for this graph?

(a)  $y = \frac{x}{2} - 1$

(b)  $y = \frac{x}{2} + 1$

(c)  $y = -\frac{x}{2} - 1$

(d)  $y = -\frac{x}{2} + 1$



5. Which of the following simplifies this expression:

$$3(x + 3) - 2x$$

(a)  $-x + 9$

(b)  $-x - 9$

(c)  $x - 9$

(d)  $x + 9$

6. Which of the following simplifies this expression:

$$7x + 2(3x + 3) - 2$$

(a)  $10x + 4$

(b)  $10x - 4$

(c)  $13x + 4$

(d)  $13x - 4$

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#1

7. Which of the following simplifies this expression:

$$x + \frac{1}{2} ( 8x - 10 )$$

- (a)  $5x + 5$
- (b)  $5x - 5$
- (c)  $5x + 10$
- (d)  $5x - 10$

8. Solve the following equation:  $2x + 3 = 13$

- (a)  $x = 10$
- (b)  $x = -10$
- (c)  $x = 5$
- (d)  $x = -5$

9. Solve the following equation:  $3x - 3 = 15$

- (a)  $x = 5$
- (b)  $x = -5$
- (c)  $x = 4$
- (d)  $x = 6$