



## Think It Through

I should read the problem carefully and watch for words like NOT.

## MULTIPLE CHOICE

1. What is the value of this expression? (3-13)

$$3 + 5 \times 8 + 0$$

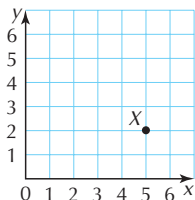
- A. 64      **B. 43**      C. 8      D. 0

2. For the rule *add 10*, which ordered pair does NOT fit? (3-15)

- A. (0, 10)      **B. (10, 0)**      C. (5, 15)      D. (90, 100)

3. Which ordered pair is shown by point X?

- A. (2, 5)  
**B. (5, 2)**  
C. (1, 5)  
D. (5, 1)



## FREE RESPONSE

Use the order of operations to evaluate each expression. (3-13)

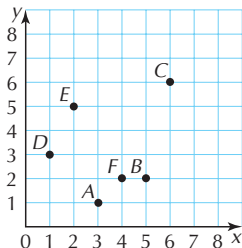
4.  $1 \times 8 + 26 \div 2$       5.  $25 \times 4 + 8 - 7 \div 7$   
 6.  $13 - 2 + (8 \div 2) \times 4$       7.  $18 \times (6 - 3) + 4$   
 8.  $(12 - 6) \div 2 \times 3$       9.  $(16 + 2) \div (6 \times 3)$

Use the graph at the right to write the ordered pair for each point. (3-14)

10. A      11. E  
 12. C      13. D  
 14. (3, 1)      15. (2, 5)  
 16. (6, 6)      17. (1, 3)

Which point is at each location?

14. (4, 2) **F**      15. (5, 2) **B**



16. Create a table of values for the rule *subtract 4*:  $x - 4$ .

Use at least four values for  $x$ . Then make a graph for your table. (3-15, 3-16)

See margin.

## Writing in Math

17. Explain how graphing (3, 5) is different from graphing (5, 3). (3-14) **Sample answer: (3, 5) is the point that is right 3 units and up 5 units from the origin. (5, 3) is the point that is right 5 units and up 3 units from the origin.**
18. Explain how you know that  $3 + 5 \times 7$  and  $3 \times 5 + 7$  do not have the same value. (3-13) **Sample answer: Using order of operations and performing the multiplication before addition,  $3 + 5 \times 7 = 3 + 35 = 38$  and  $3 \times 5 + 7 = 15 + 7 = 22$ .**