

Week 15

State Standards - 8.8.02, 8.8.03, 8.8.04, 8.8.05, 8.8.13

1. Lydia has \$40. She bought 3 plants and a toothbrush. What expression shows how much money Lydia has left?
 - A. $40 + 3x + y$
 - B. $(40 - 3x) + y$
 - C. $\frac{40}{x} + y$
 - D. $40 - 3x + y$
 - E. $40 - (3x + y)$

2. A triangle has a perimeter of 27 inches. Side a is twice the length of side b and side c is 3 inches longer than side b. What is the length of each side of the triangle?

3. The sum of three consecutive even numbers is 90. Which equation represents this statement?
 - A. $(x + 1) + (x + 2) + (x + 3) = 90$
 - B. $x + (x + 2) + (x + 4) = 90$
 - C. $x + (x + 1) + (x + 2) = 90$
 - D. $x + x + x = 90$

4. Which ordered pair fits the equation $2xy = 12$?

- A. (1, 2)
- B. (2, 3)
- C. (2, 4)
- D. (3, 4)
- E. (2, 6)

5. Consider the following table of values:

x	y
0	2
1	6
2	10
3	14
4	18
5	22
6	26

Which equation represents the relationship of x to y?

- A. $f(x) = 4x - 2$
- B. $f(x) = 3x + 4$
- C. $f(x) = 2x + 6$
- D. $f(x) = 4x + 2$