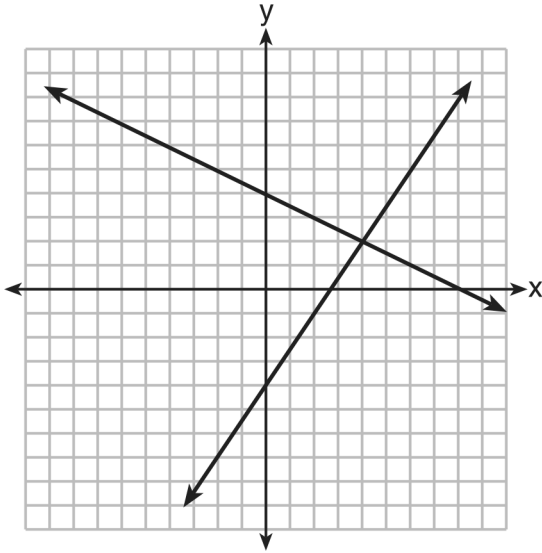**untitled**

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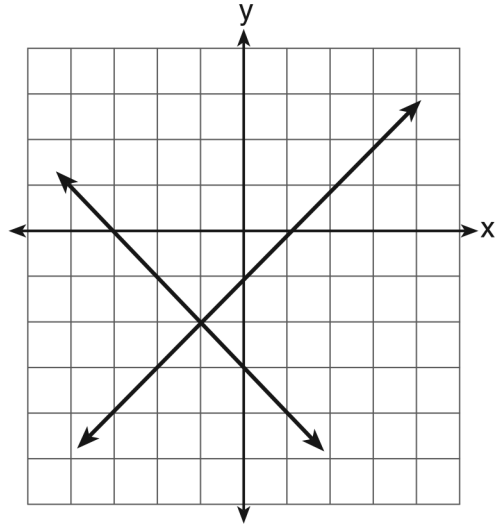
1. A system of equations is graphed on the set of axes below.

The solution of this system is

A. $(0, 4)$ B. $(2, 4)$ C. $(4, 2)$ D. $(8, 0)$

2. What is the solution of the system of equations shown in the graph below?

A. $(1, 0)$ and $(-3, 0)$ B. $(0, -3)$ and $(0, -1)$

C. $(-1, -2)$ D. $(-2, -1)$

3. The two lines represented by the equations below are graphed on a coordinate plane.

$$x + 6y = 12$$
$$3(x - 2) = -y - 4$$

Which statement best describes the two lines?

A. The lines are parallel.

B. The lines are the same line.

C. The lines are perpendicular.

D. The lines intersect at an angle other than $90°$.

4. Cedric and Zelda went shopping at Price Buster. Cedric bought 2 jumbo rolls of aluminum foil and 3 packages of AA batteries for a total cost of $21. Zelda bought 5 identical jumbo rolls of aluminum foil and 2 identical packages of AA batteries for a total cost of $25. Find the cost of 1 roll of aluminum foil and find the cost of 1 package of AA batteries. [*Only an algebraic solution will be accepted*.]

5. A cellular telephone company has two plans. Plan *A* charges $11 a month and $0.21 per minute. Plan *B* charges $20 a month and $0.10 per minute. After how much time, to the *nearest minute*, will the cost of plan *A* be equal to the cost of plan *B*?

    A. 1 hr 22 min   B. 1 hr 36 min

    C. 81 hr 8 min   D. 81 hr 48 min

6. At Genesee High School, the sophomore class has 60 more students than the freshman class. The junior class has 50 fewer students than twice the students in the freshman class. The senior class is three times as large as the freshman class. If there are a total of 1,424 students at Genesee High School, how many students are in the freshman class?

    A. 202   B. 205   C. 235   D. 236

7. During its first week of business, a market sold a total of 108 apples and oranges. The second week, five times the number of apples and three times the number of oranges were sold. A total of 452 apples and oranges were sold during the second week. Determine how many apples and how many oranges were sold the *first week*.

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1.
Answer: C

2.
Answer: C

3.
Answer: D

4.
Answer: $3 for one jumbo roll of aluminum foil.
               $5 for one package of AA batteries.

5.
Answer: A

6.
Answer: A

7.
Answer: 64 apples and 44 oranges