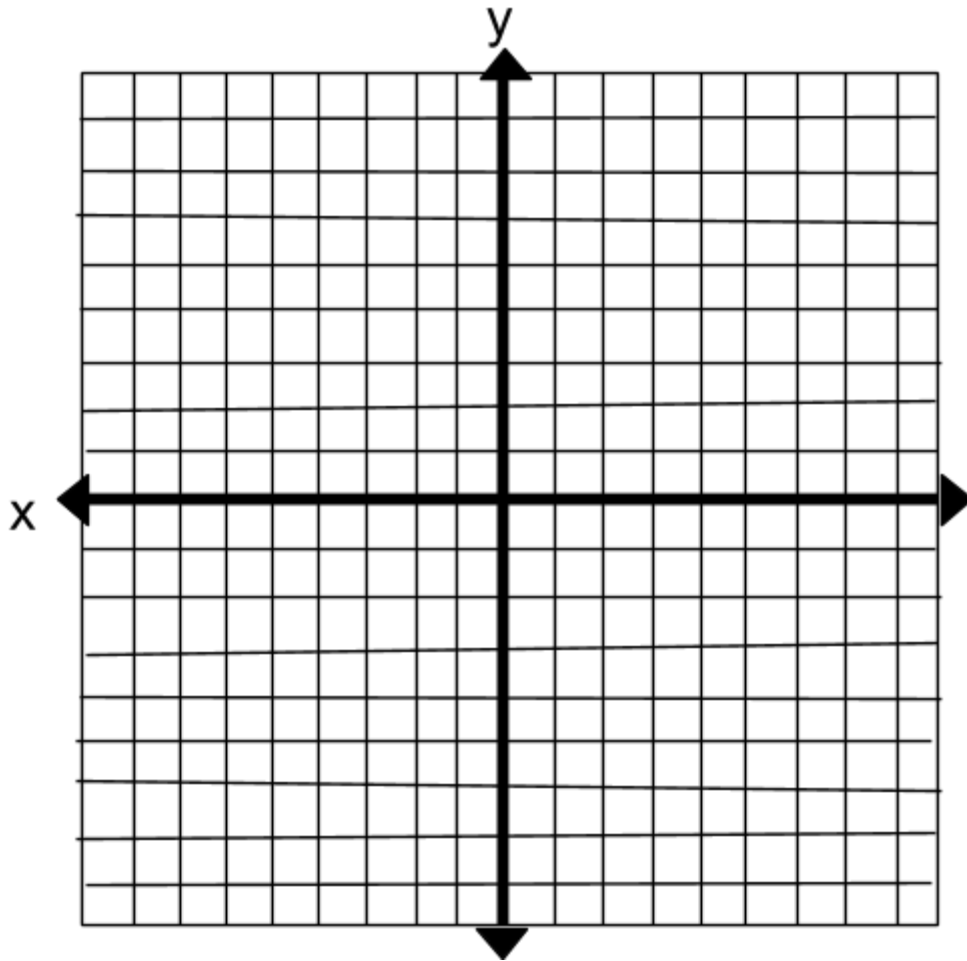




Negative Numbers & The Coordinate Plane: Practice Activity

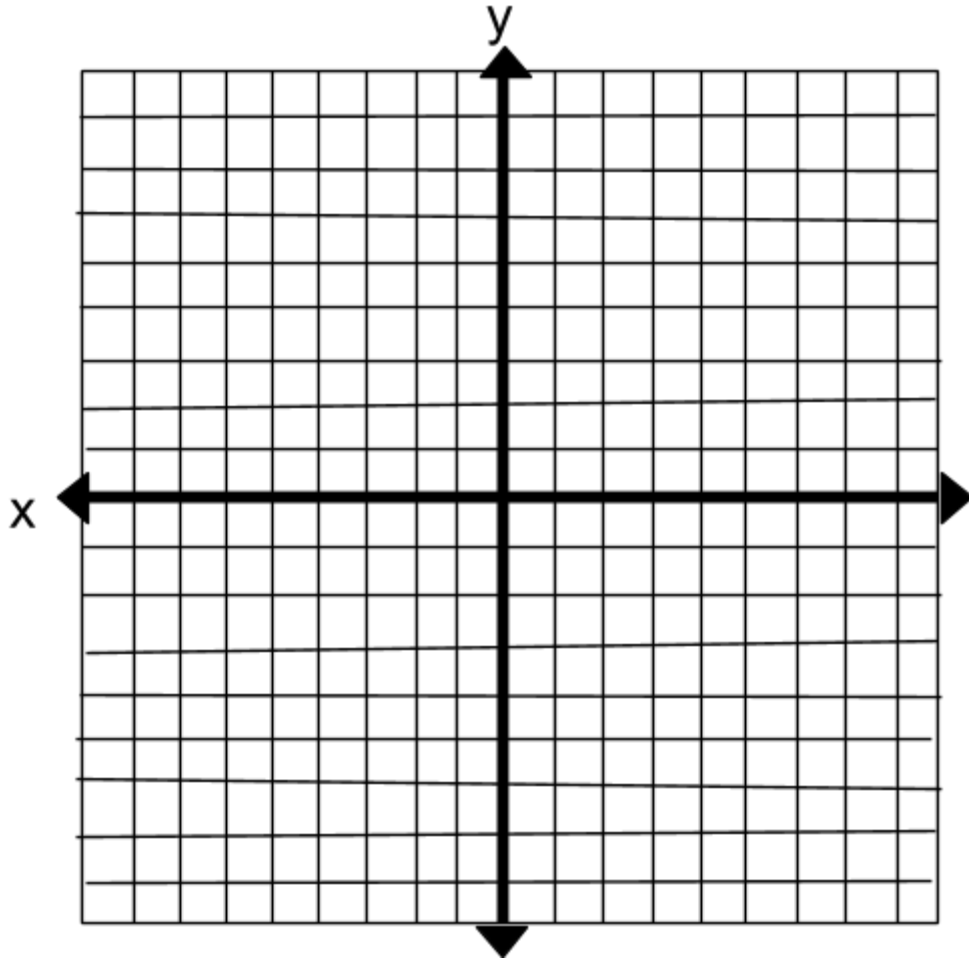
Directions: Read and answer the following questions to assess your knowledge of negative numbers & the coordinate plane.

1. Label the 4 quadrants of the coordinate plane:



2. Graph:

- $(3,4)$
- $(-7,8)$
- $(-3,-6)$
- $(9,-5)$





Plot this number line starting with choosing a spot for zero somewhere in the middle and plot the negative and positive numbers on both sides.

4. What is the opposite of 88?

5. What is the opposite of -32?

6. $|-8| =$

7. $|89| =$

8. $-|68| =$

9. $-|-23| =$

10. Fill in the blanks about the answers when multiplying and dividing negatives:

A + and + a = a +

A _____ and - a = a +

A + and - a = _____

A - and + a = _____

11. $-3 + 9 =$

12. $8 + (-10) =$

13. $-4 - 78 =$

14. $4 \times -5 =$

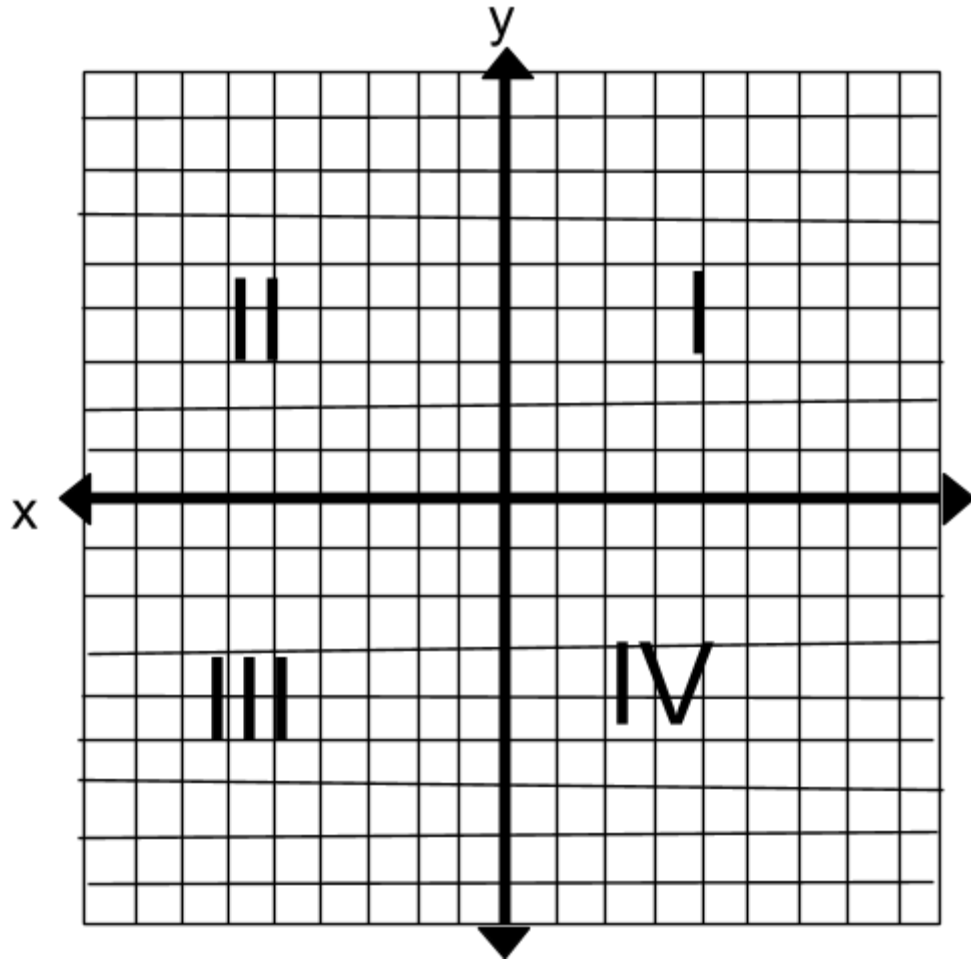
15. $36 \div -12 =$

16. $-48 \div -6 =$



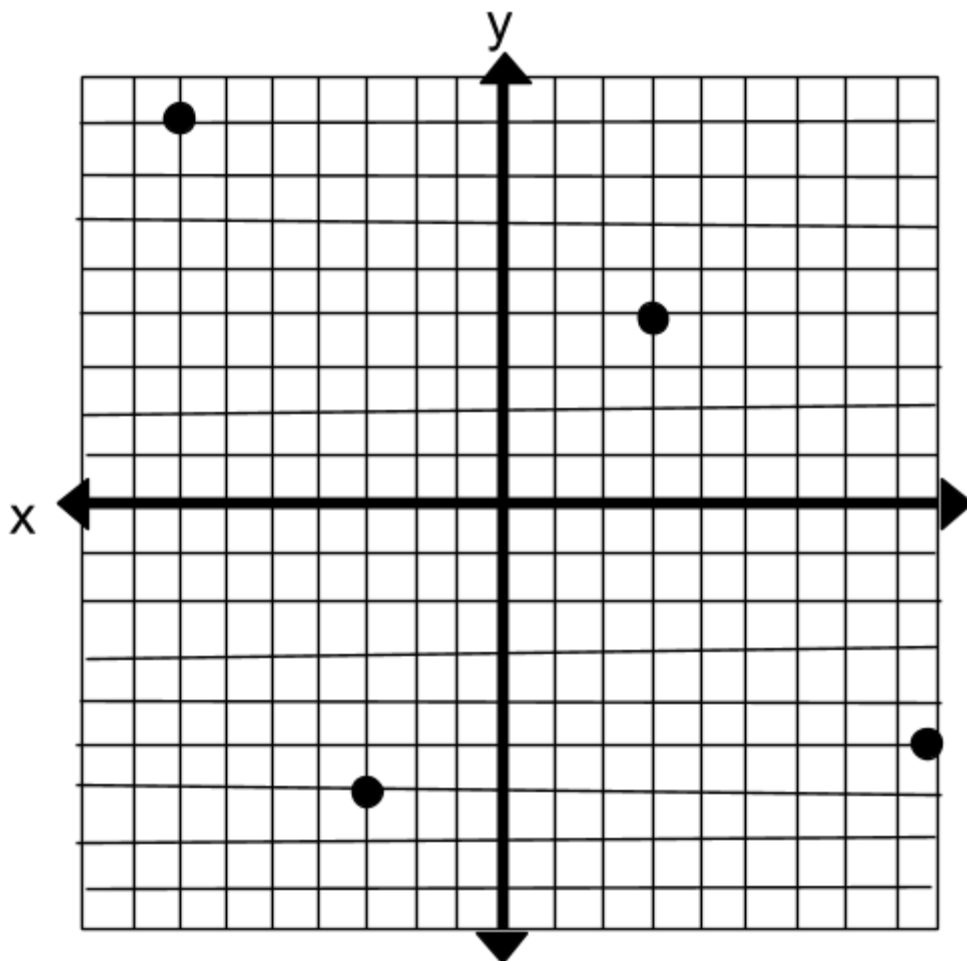
Answers

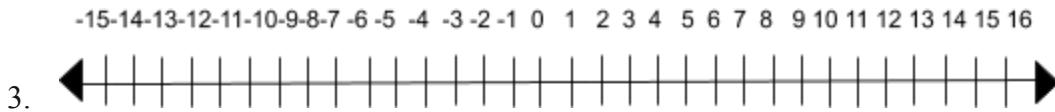
1. Label the 4 quadrants of the coordinate plane:



2. Graph:

- $(3,4)$
- $(-7,8)$
- $(-3,-6)$
- $(9,-5)$





Plot this number line starting with choosing a spot for zero somewhere in the middle and plot the negative and positive numbers on both sides.

4. What is the opposite of 88?

-88

5. What is the opposite of -32?

32

6. $|-8| = 8$

7. $|89| = 89$

8. $-|68| = -68$

9. $-|-23| = -23$

10. Fill in the blanks about the answers when multiplying and dividing negatives:

A + and + a = a +

A- and - a = a +

A + and - a = a -

A - and + a = a -

11. $-3 + 9 = 6$

12. $8 + (-10) = -2$

13. $-4 - 78 = -82$

14. $4 \times -5 = -20$

15. $36 \div -12 = -3$

16. $-48 \div -6 = 8$