

Class Name : **8A - A**

Instructor Name : **Ms. Ryan**

Student Name : _____

Instructor Note :

1. Find the y -intercept and x -intercept of the line.

$$5x - 6y = -30$$

y -intercept: _____

x -intercept: _____

2. Find the y -intercept and x -intercept of the line.

$$x - 2y = 6$$

y -intercept: _____

x -intercept: _____

3. Find the x -intercept and y -intercept of the line.

$$8x - 9y = -15$$

x -intercept: _____

y -intercept: _____

4. Find the y -intercept and x -intercept of the line.

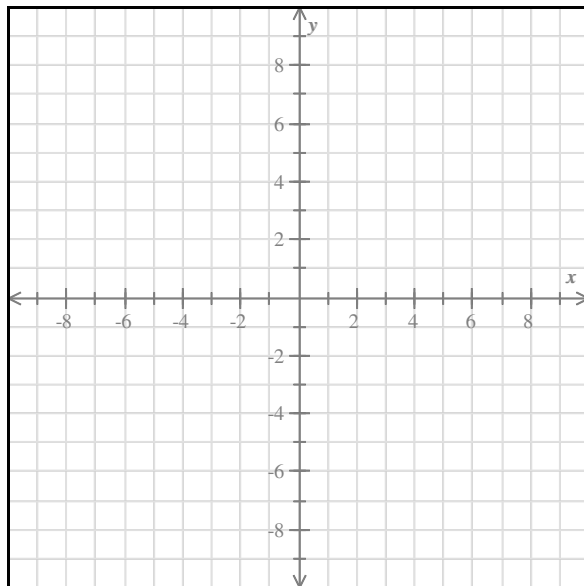
$$2x - 6y = 7$$

y -intercept: _____

x -intercept: _____

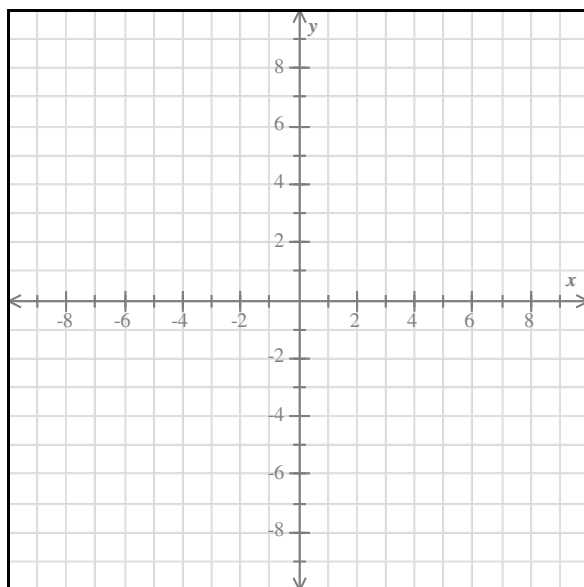
5. Graph the line.

$$y - 3x = 2$$



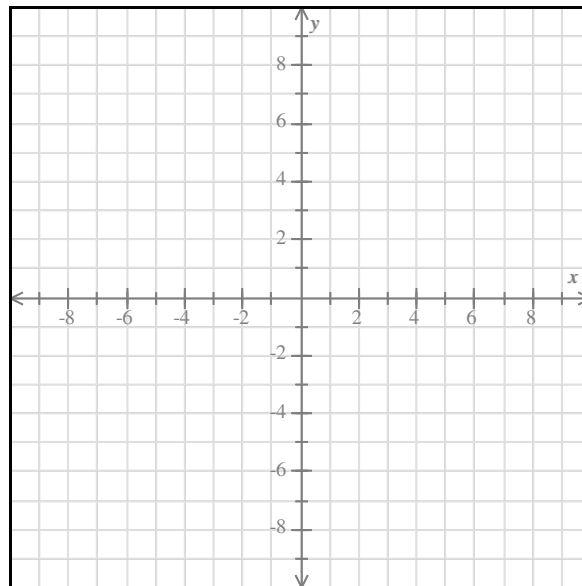
6. Graph the line.

$$-4x + y = -8$$



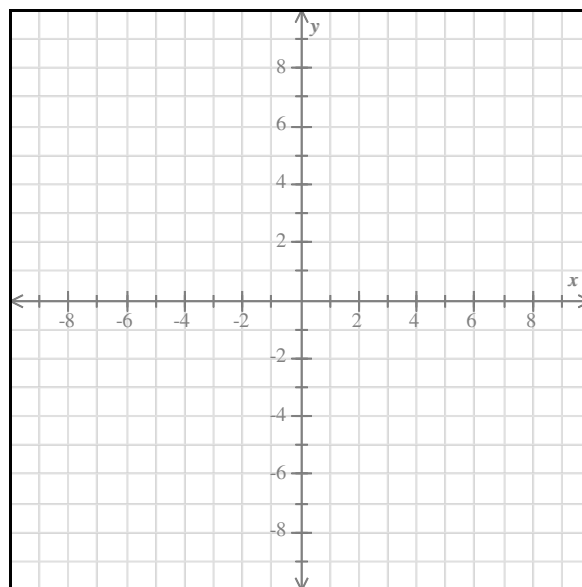
7. Graph the line.

$$x - y = -2$$



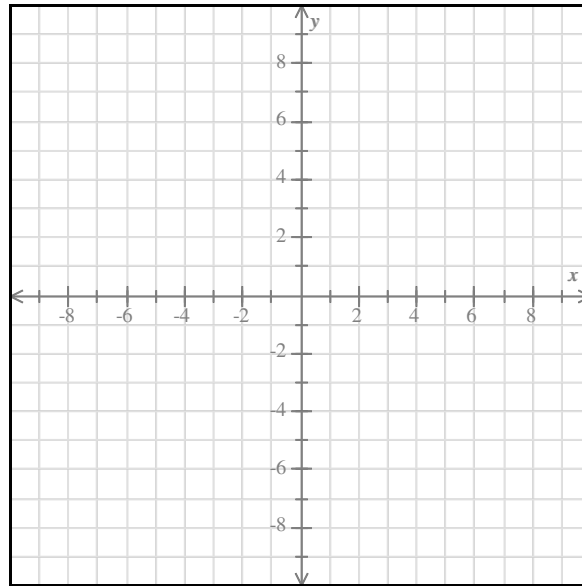
8. Graph the line.

$$x + y = -1$$



9. Graph the line.

$$y - 5x = -3$$



10. The equation of a line is given below.

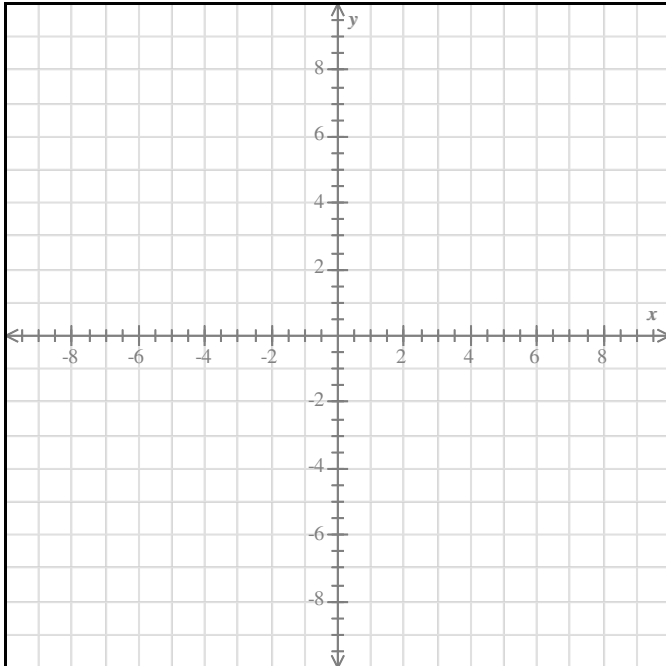
$$-x + 4y = 8$$

Find the x -intercept and the y -intercept.

Then use them to graph the line.

x -intercept: _____

y -intercept: _____



11. The equation of a line is given below.

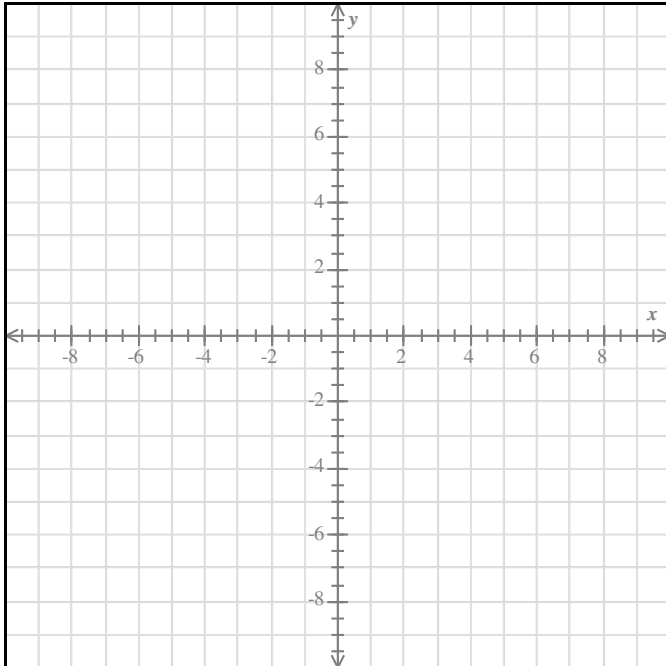
$$4x + 6y = -24$$

Find the x -intercept and the y -intercept.

Then use them to graph the line.

x -intercept: _____

y -intercept: _____



12. The equation of a line is given below.

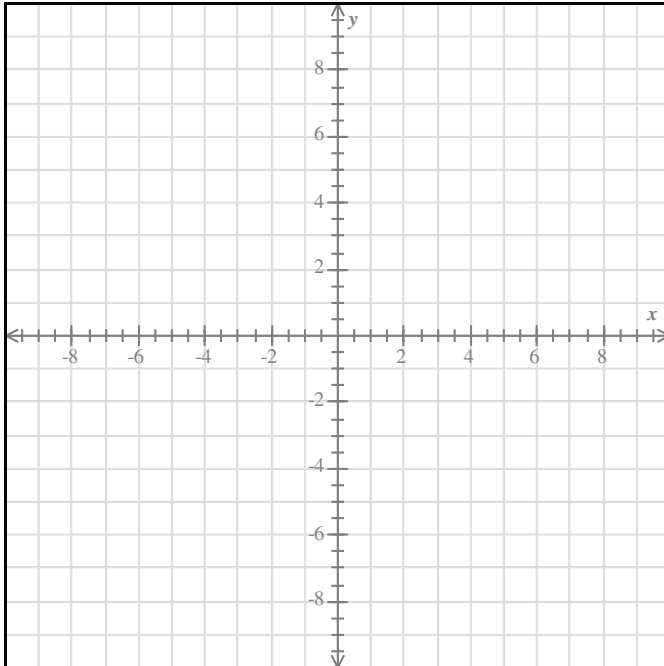
$$4x + 7y = 14$$

Find the x -intercept and the y -intercept.

Then use them to graph the line.

x -intercept: _____

y -intercept: _____



13. The equation of a line is given below.

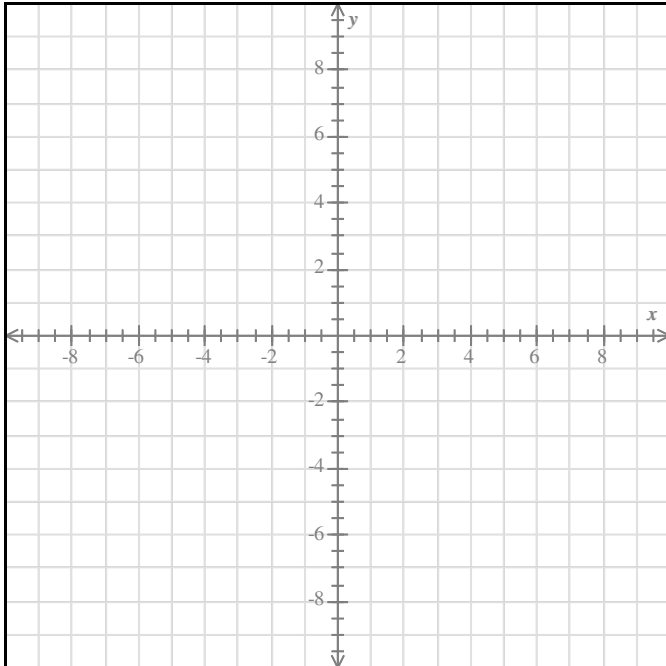
$$x - 4y = 8$$

Find the x -intercept and the y -intercept.

Then use them to graph the line.

x -intercept: _____

y -intercept: _____



14. The equation of a line is given below.

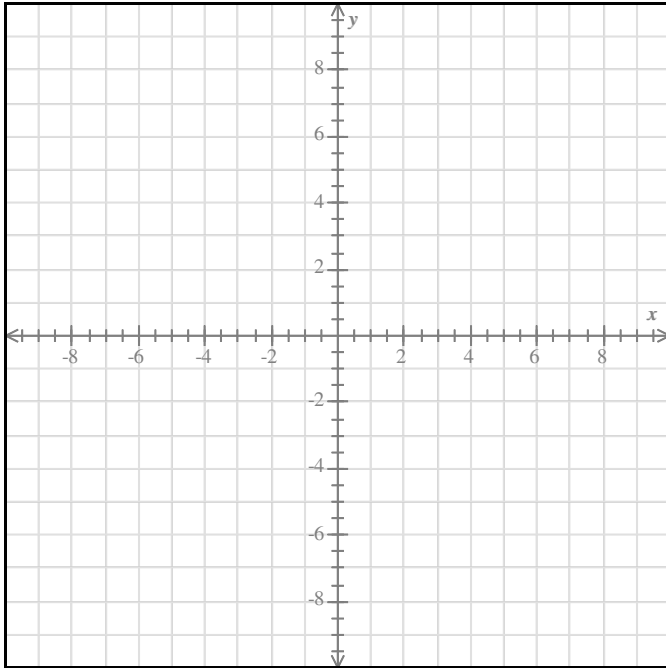
$$3x - 4y = -24$$

Find the x -intercept and the y -intercept.

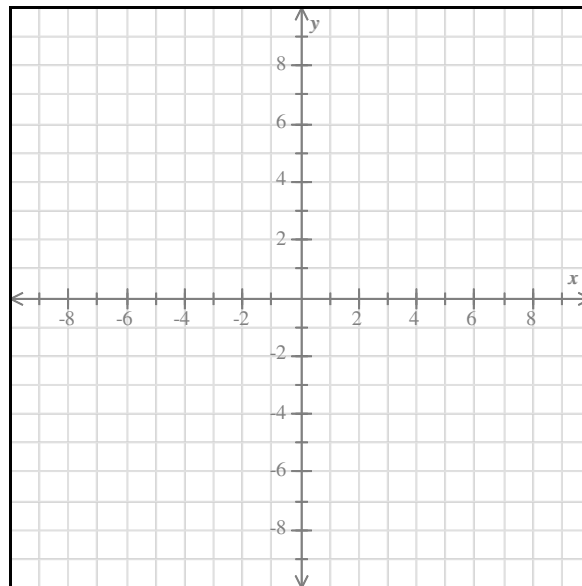
Then use them to graph the line.

x -intercept: _____

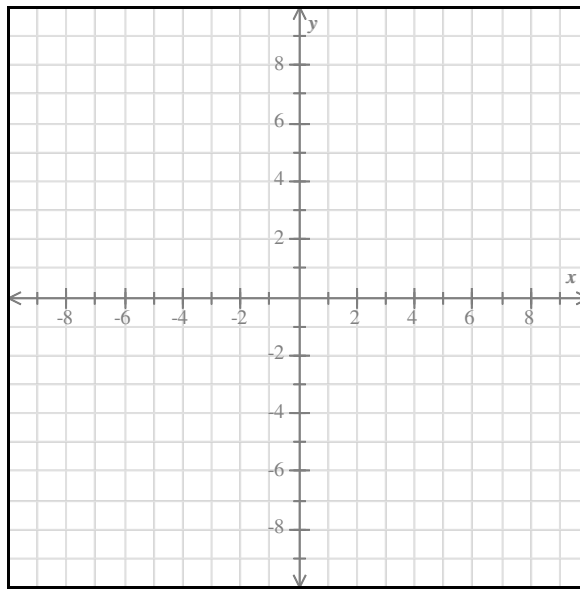
y -intercept: _____



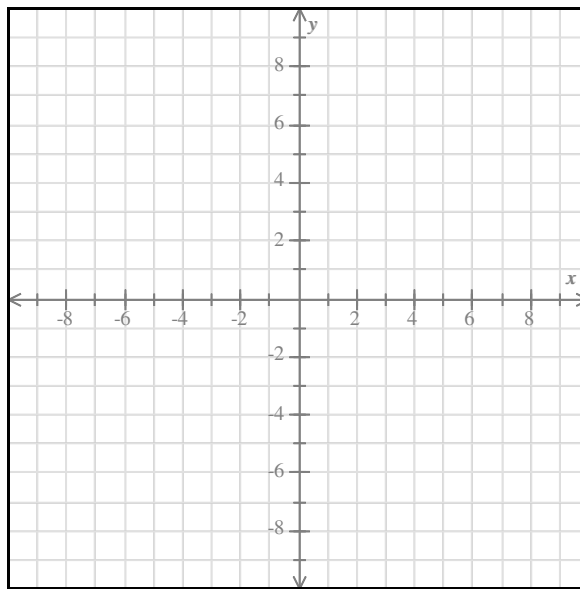
15. Graph the line $x = -6$.



16. Graph the line $x = -2$.



17. Graph the line $y = 5$.



18. Translate the phrase into an algebraic expression.

b less than 7

19. A pet store has 8 tanks of fish. Each tank has d fish. Using d , write an expression for the total number of fish in the store.

20. Translate this phrase into an algebraic expression.

Nine less than the product of 24 and a number

Use the variable n to represent the unknown number.