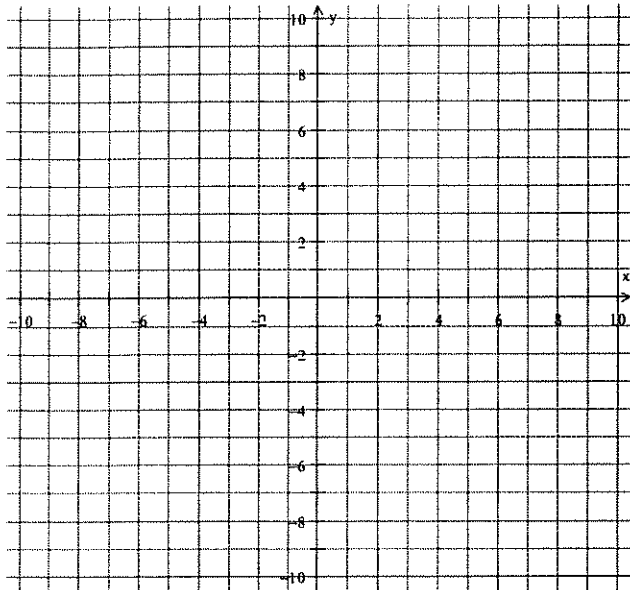


# Mystery Graphs!

1. The sum of the two numbers is eight.

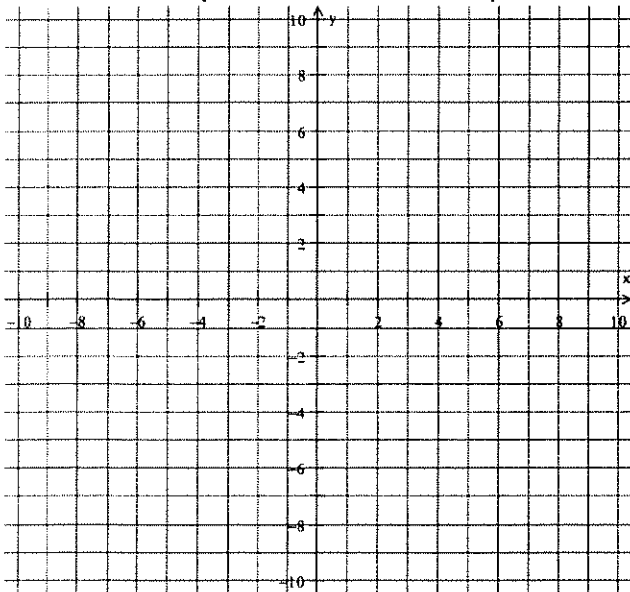


Find some points and draw the graph suggested by the description. Use both positive and negative numbers!

Write an algebraic equation for the word description.

Turn your equation into "y=".

2. The quotient of the two numbers is three. Use both positive and negative numbers (and on all of these)!

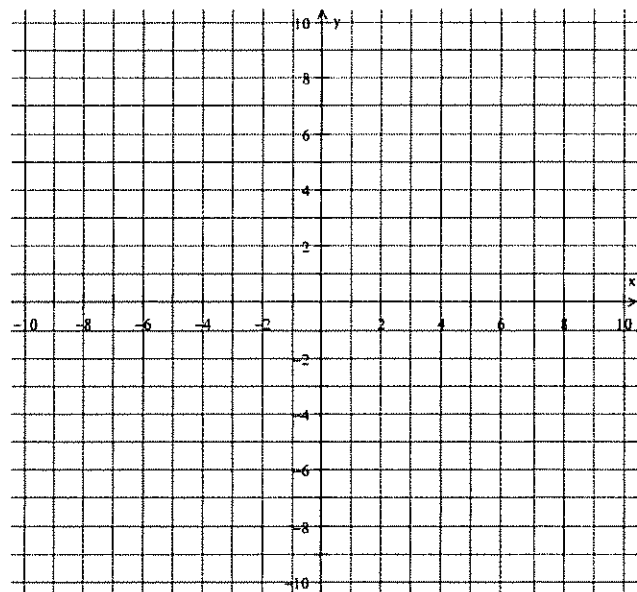


Find points and draw the graph.

Write an algebraic equation.

Turn your equation into "y=".

3. Twice the first number added to the second number is twelve.

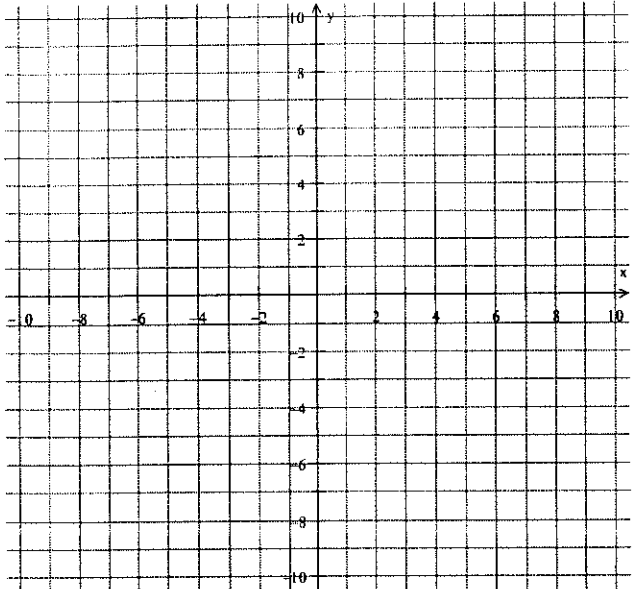


Find points and draw the graph.

Write an algebraic equation.

Turn your equation into "y=".

4. The second number is always negative four.

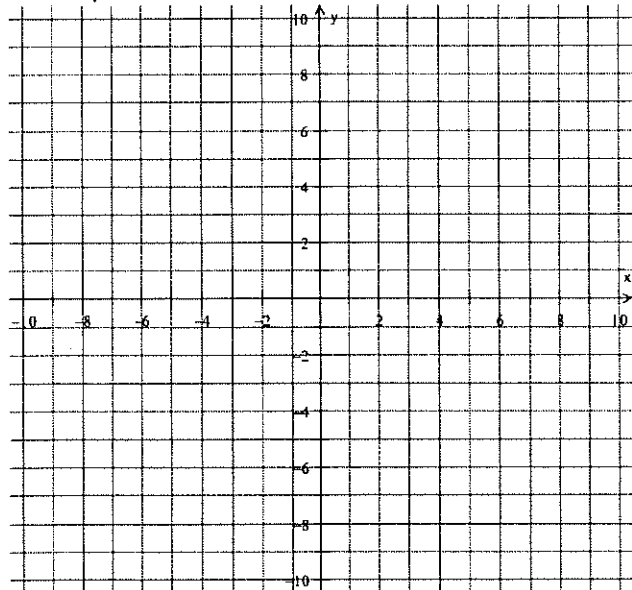


Find points and draw the graph.

Write an algebraic equation.

Turn your equation into "y=".

6. The second number is two more than the square of the first number.

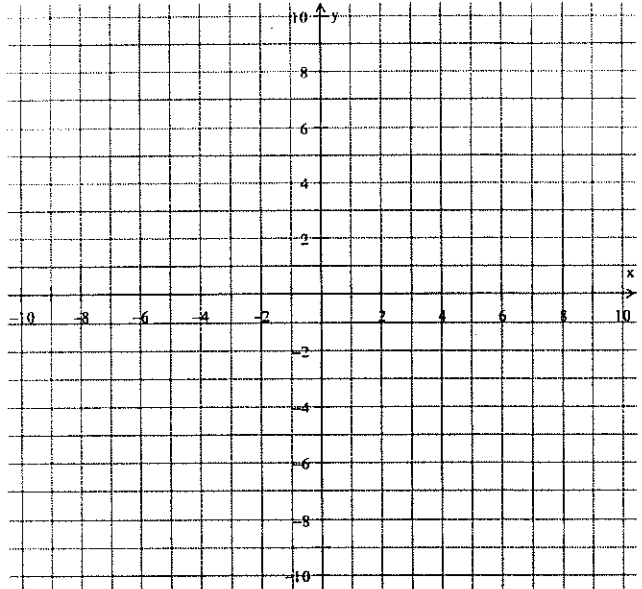


Find points and draw the graph.

Write an algebraic equation.

Turn your equation into "y=".

5. The first number is the square of the second number (the second number  $\geq 0$ ).

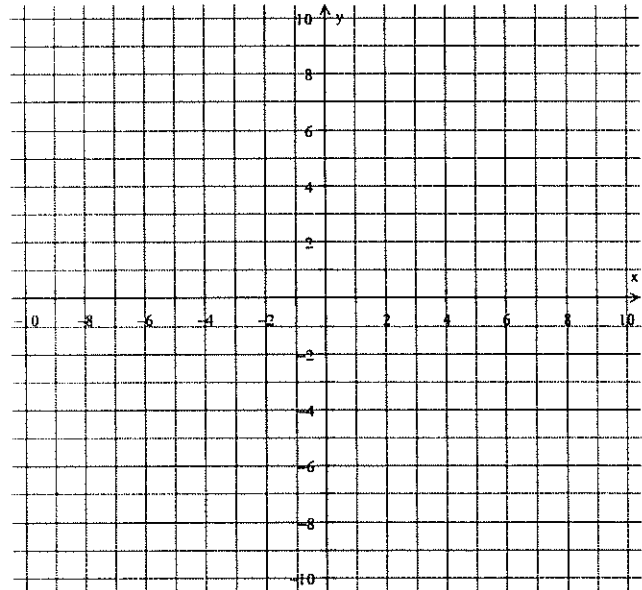


Find points and draw the graph.

Write an algebraic equation.

Turn your equation into "y=".

7. The product of the two numbers is twelve.



Find points and draw the graph.

Write an algebraic equation.

Turn your equation into "y=".