

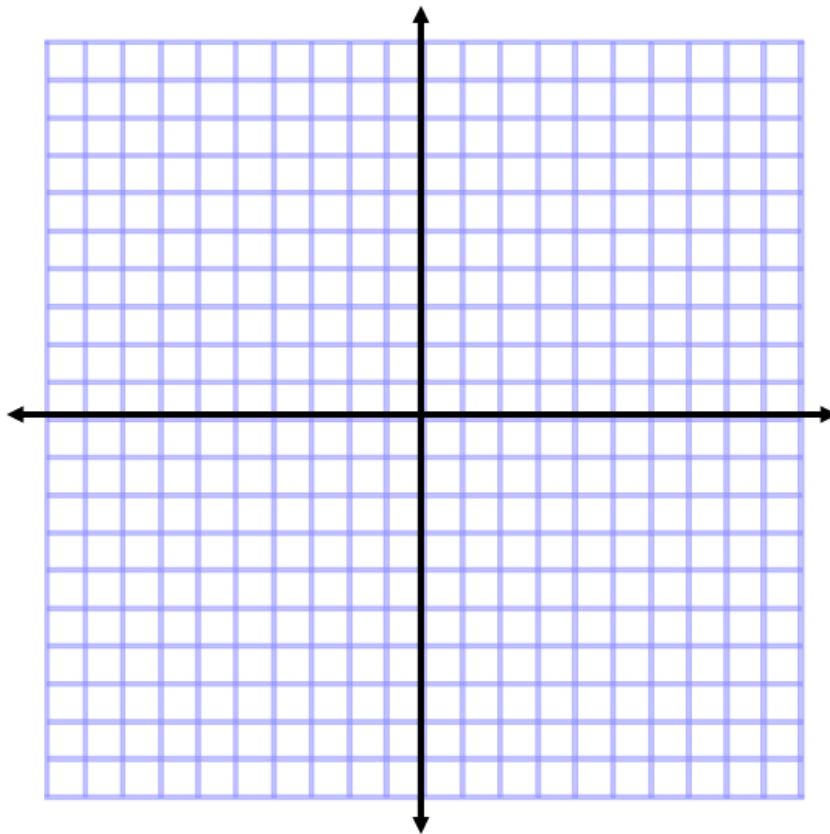
Graph all 4 linear functions on the same coordinate system – label each graph with its function name. Work out each of the following and state the generated ordered pair.

$$m(x) = -\frac{2}{5}x - 3$$

$$a(x) = -3x - 2$$

$$t(x) = \frac{5}{2}x + 5$$

$$h(x) = x + 2$$



1. find $a(2)$

2. find $h(-6)$

3. find the x-intercept and the y-intercept on the graph of a .

4. find the x-intercept and the y-intercept on the graph of m .

5. find when $t(x) = h(x)$

6. find when $h(x) = -2$

7. find when $m(x) = a(x)$

8. find when $a(x) = 7$

9. Which functions have graphs that are perpendicular? Explain.

10. find $m(-3)$

11. find when $t(x) = 3$

12. find when $m(x) = h(x)$