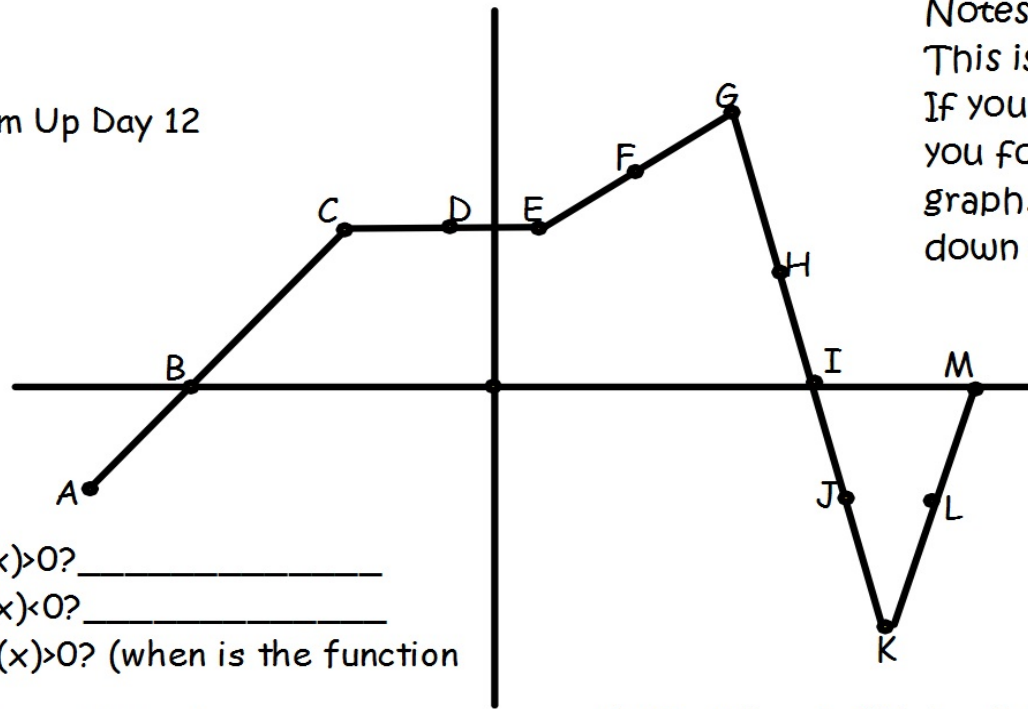


Warm Up Day 12



Notes:

This is an $f(x)$ graph.

If you see " $f'(x)$ ", that is asking you for the slope of the graph..i.e is it going up or down or neither?

1. When is $f(x) > 0$? _____
2. When is $f(x) < 0$? _____
3. When is $f'(x) > 0$? (when is the function going up) _____
4. When is $f'(x) < 0$? _____
5. When is $f(x) = 0$? _____
- *6. When is $f'(x) = 0$? _____

7. Identify when $f(x) > 0$ but $f'(x) < 0$. _____
8. Identify when $f(x) < 0$ but $f'(x) > 0$. _____
9. Identify when $f(x) > 0$ but $f'(x) > 0$. _____
10. Identify when $f(x) < 0$ but $f'(x) < 0$. _____
11. Identify when $f(x) > 0$ but $f'(x) = 0$. _____

* 12. When is $f'(x)$ undefined?
(It is neither moving up nor down? You can't tell which way it is going.)