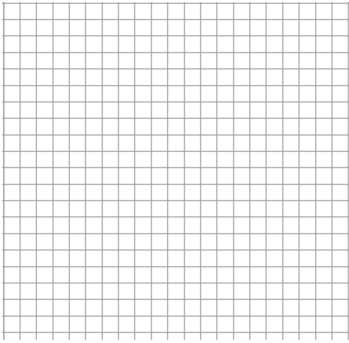


A2: Linear Functions Review

1. Create a graph and write a rule.

x	-1	0	1	2	3	4
y	-6	-4	-2	0	2	4

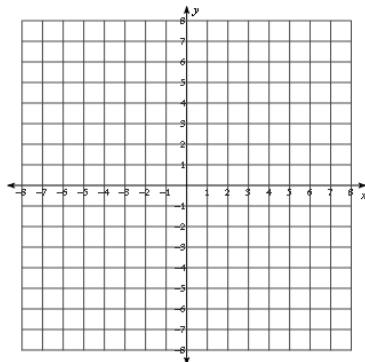


2. Write a rule for the following tables:

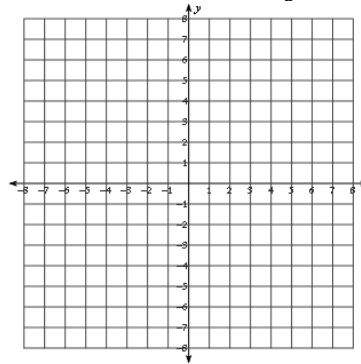
x	-2	-1	0	1
y	0	-3	-6	-9

x	2	4	6	10
y	8	13	18	28

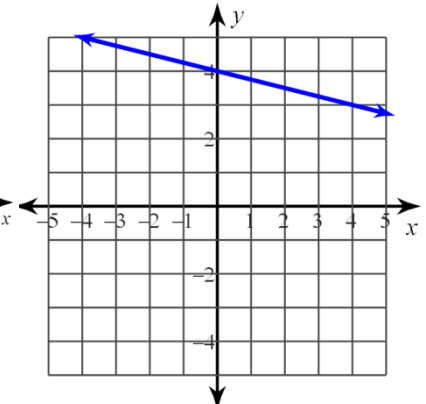
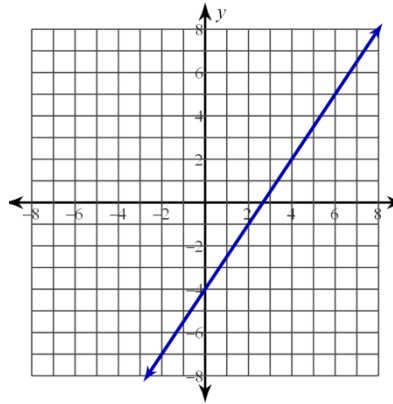
3. Graph the equation. $y = 4x - 7$



4. Graph the line $y = -\frac{2}{3}x + 4$



5. Write a rule for each graph.



6. Find the slope.

a. Between $(-6, -13)$ and $(10, 11)$.

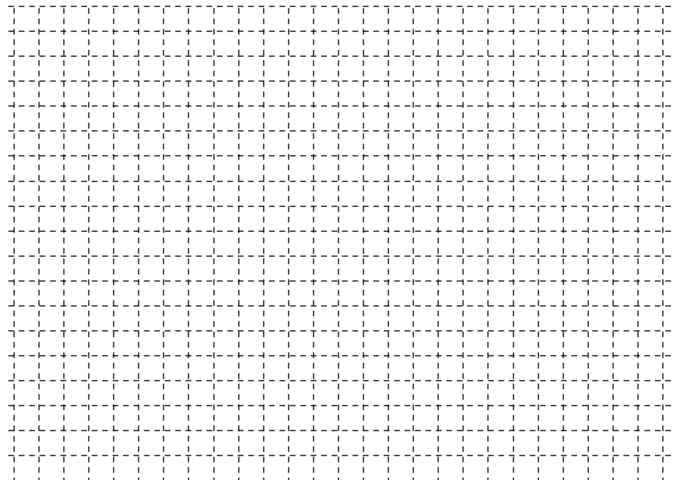
b. Between $(9, 2)$ and $(-3, 10)$.

8. A brand new print-to-shirt printer costs \$13,000. Sweatshirts cost \$7.35 each, and we sell them for \$40.

a. Write an equation that models this situation.

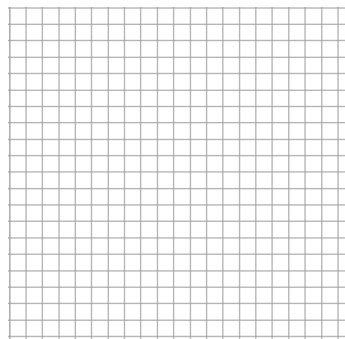
c. Solve for the break even point.

d. Create a graph of this situation.

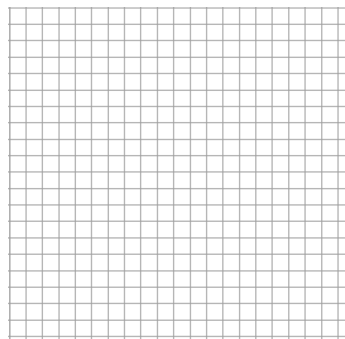


9. **GRAPH** each line below then **WRITE** the equation of each line described below.

a. Slope is $\frac{-1}{5}$ and y-intercept is 3.



b. Slope of -2 and goes through $(-3, 8)$.



c. Goes through $(-6, -13)$ and $(10, 11)$.

