

Homework: Linear Functions

In Problems 1-6, graph each linear function.

1. $f(x) = 4x - 1$	2. $f(x) = -2x + 3$
3. $f(x) = 3$	4. $f(x) = \frac{1}{4}x - 2$
5. $f(x) = \frac{-3}{4}x + 2$	6. $f(x) = \frac{1}{3}x$

In Problems 7-10, find the zero of the linear function.

7. $f(x) = 3x - 5$	8. $f(x) = -2x + 1$
9. $f(x) = \frac{2}{3}x - 4$	10. $f(x) = \frac{-4}{5}x + 1$

In Problems 11-12, draw a scatter diagram of the data.

11.

x	1	2	3	4	5
y	8	12	21	30	35

12.

x	2	4	6	8	10
y	5	10	12	30	40