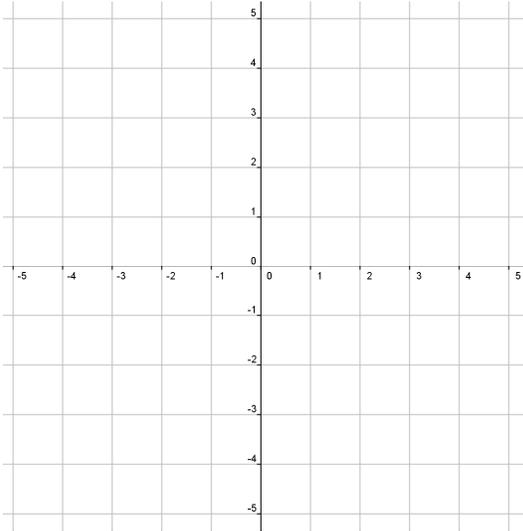


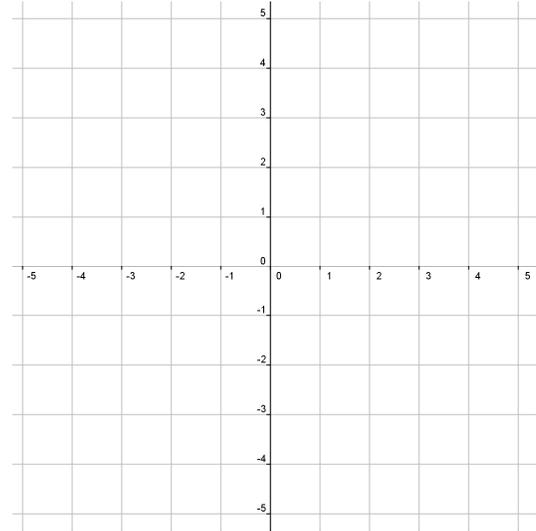
POINTS ON A RECTANGULAR COORDINATE SYSTEM

➤ Graph the ordered pairs.

1) $(0, -1)$, $(2, 0)$, $(3, 2)$, and $(-1, 4)$

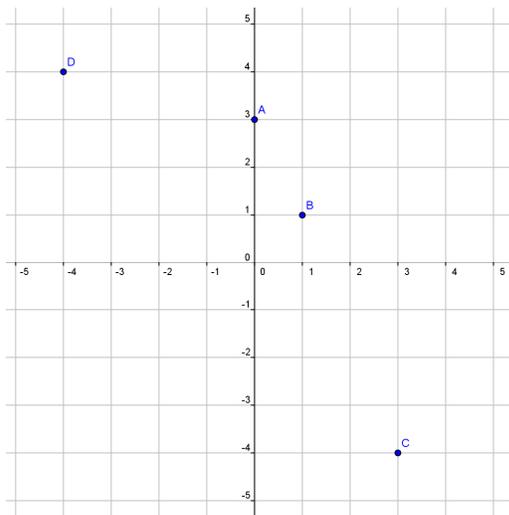


2) $(-1, -3)$, $(0, -4)$, $(0, 4)$, and $(3, -2)$

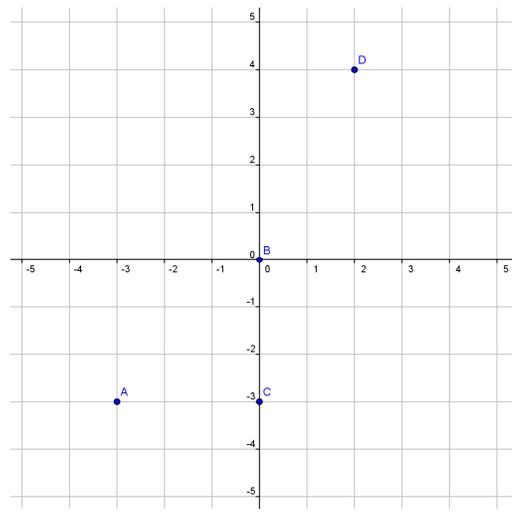


➤ Find the coordinates of each point.

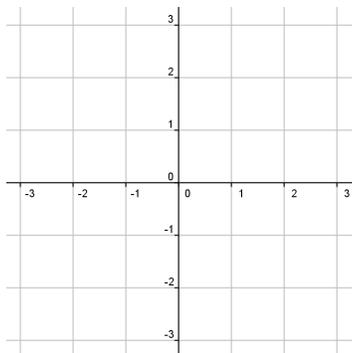
3) $A = \boxed{}$ $B = \boxed{}$ $C = \boxed{}$ $D = \boxed{}$



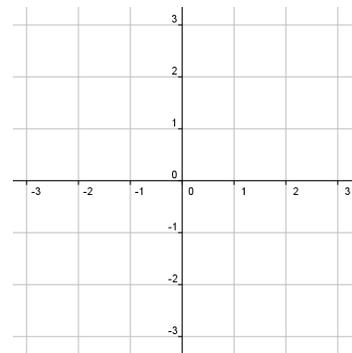
4) $A = \boxed{}$ $B = \boxed{}$ $C = \boxed{}$ $D = \boxed{}$



5) Draw a line through all points with an x-coordinate of 2.

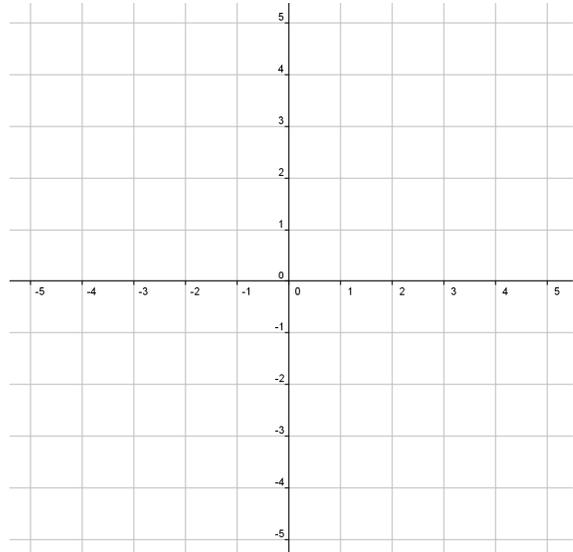


6) Draw a line through all points with a y-coordinate of -3.



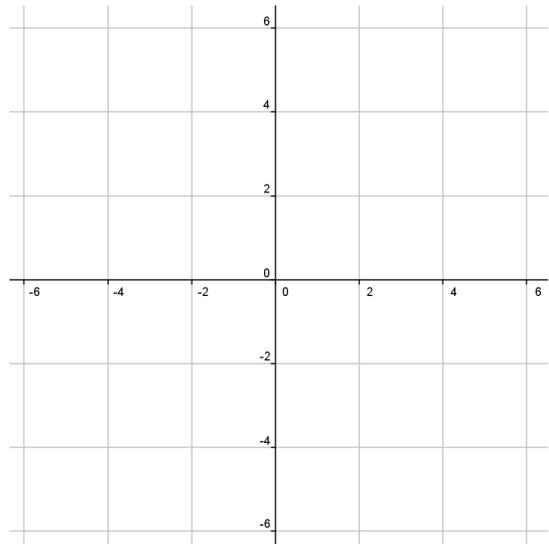
7) Graph the ordered-pair solutions of $y = x^2$ when $x = -2, -1, 0, 1, 2$

x	$y = x^2$	y	(x, y)



8) Graph the ordered-pair solutions of $y = |x+1|$ when $x = -5, -3, 0, 3, 5$

x	$y = x+1 $	y	(x, y)



FINDING LENGTH AND MIDPOINT OF A LINE SEGMENT

➤ Find the length and midpoint of the line segment between the given points.

- 9) $P_1(6, -1)$ AND $P_2(-3, -2)$ 10) $P_1(-3, -5)$ AND $P_2(2, -4)$ 11) $P_1(3, -6)$ AND $P_2(6, 0)$

Midpoint:

Midpoint:

Midpoint:

Length:

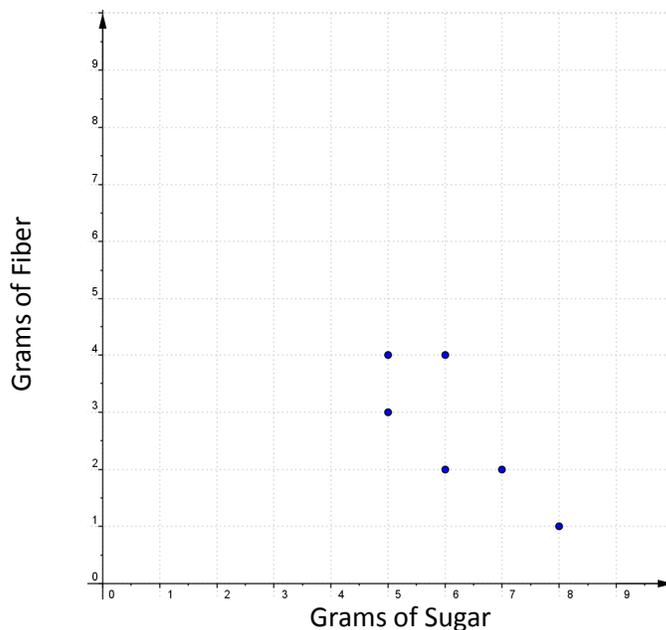
Length:

Length:

GRAPHING SCATTER DIAGRAMS

➤ **Solve**

12) A nutritionist collected data on the number of grams of sugar and the number of grams of fiber in a one-ounce serving of six popular brands of cereal. The data are shown in the scatter diagram on the right.



a. How many grams of fiber are in a one-ounce serving of the cereal with 8 g of sugar per ounce?

b. How many brands of cereal had more than 2 g of fiber per ounce?

13) The dividend, in dollars, a company paid on a share of its stock for eight consecutive years is given in the table below. Draw a scatter diagram for the data. Properly label all axis.

Year (x)	1987	1988	1989	1990	1991	1992	1993	1994
Dividend (y)	0.17	0.18	0.20	0.23	0.25	0.30	0.33	0.40

