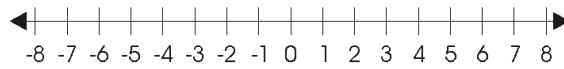
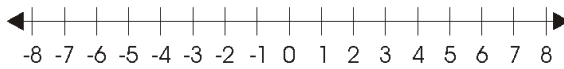


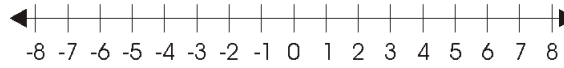
$$\left\lceil 5.28 \right\rceil = \underline{\hspace{2cm}}$$



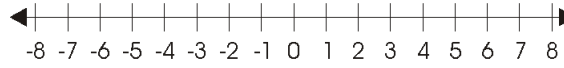
$$\left\lceil 4.99 \right\rceil = \underline{\hspace{2cm}}$$



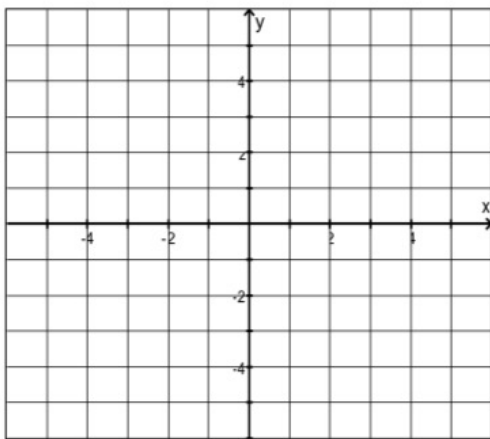
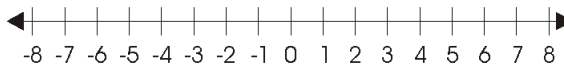
$$\left\lceil -0.5 \right\rceil = \underline{\hspace{2cm}}$$



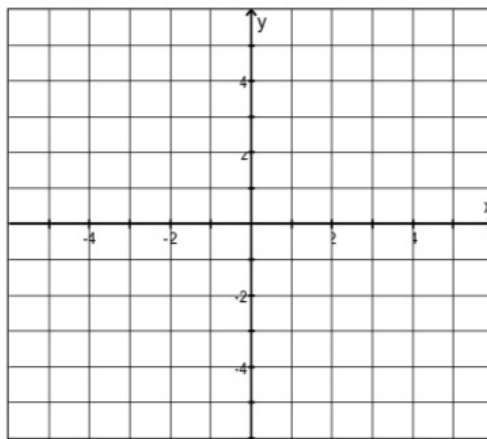
$$\left\lceil \frac{10}{3} \right\rceil = \underline{\hspace{2cm}}$$



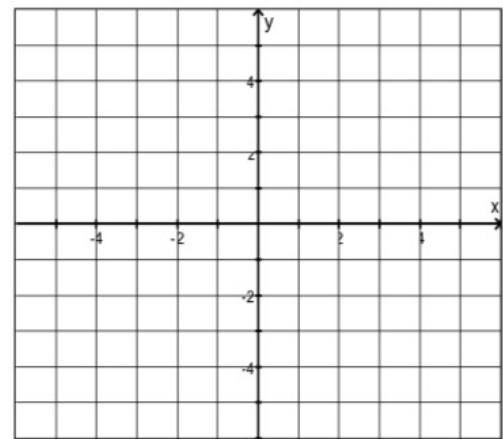
$$\left\lceil -5.1 \right\rceil = \underline{\hspace{2cm}}$$



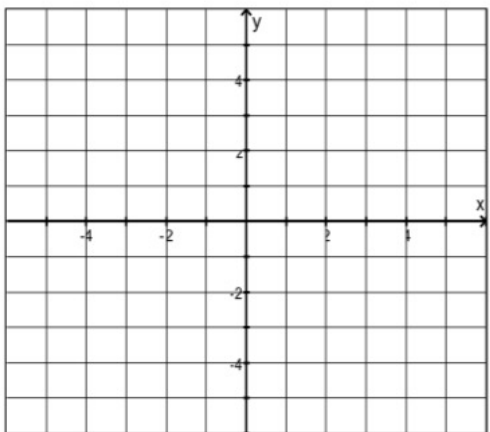
$$y = 2\left\lceil x \right\rceil - 1$$



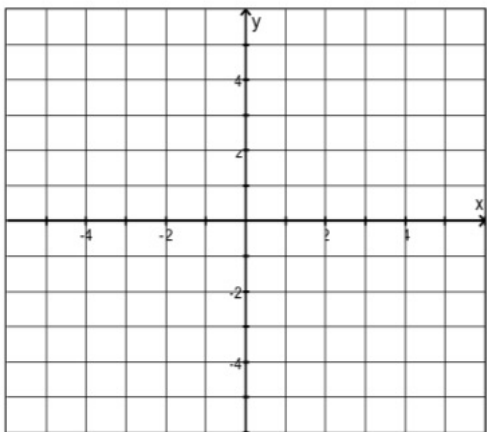
$$y = \left\lfloor \frac{1}{2}x \right\rfloor + 3$$



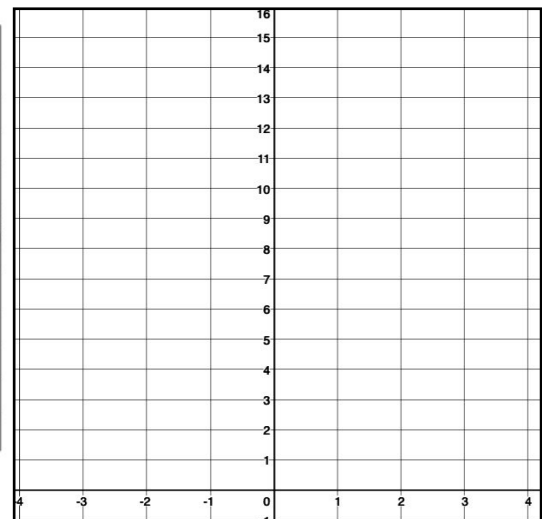
$$y = -\left\lceil x - 1 \right\rceil$$



$$y = \left\lfloor \frac{1}{4}x \right\rfloor$$



$$y = \left\lfloor -x \right\rfloor - 1$$

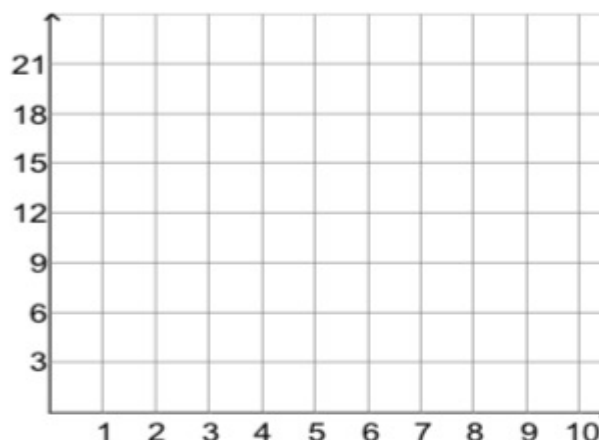


$$y = x\left\lceil x \right\rceil$$

A store will deliver a sofa for \$3.00 per mile including fractions of a mile. (For example, 25.5 miles is $\$3(25) = \75 .) There is no charge within the first mile. Use the greatest integer function to express C , the delivery cost, as a function of x , the number of miles from the store. Sketch a graph of this function for $0 \leq x \leq 5$.

Make a table of values and sketch the graph of the resulting function.

x	$C(x)$



Function: _____

The cost of sending an overnight package from College Station to Dallas is \$10.00 for a package under one pound and \$2.50 is added at one pound and each additional whole pound. Use the greatest integer function to create a model for the cost C of overnight delivery of a package weighing x pounds. Sketch the graph for packages up to 7 pounds.

Make a table of values and sketch the graph of the resulting function.

x	$C(x)$

