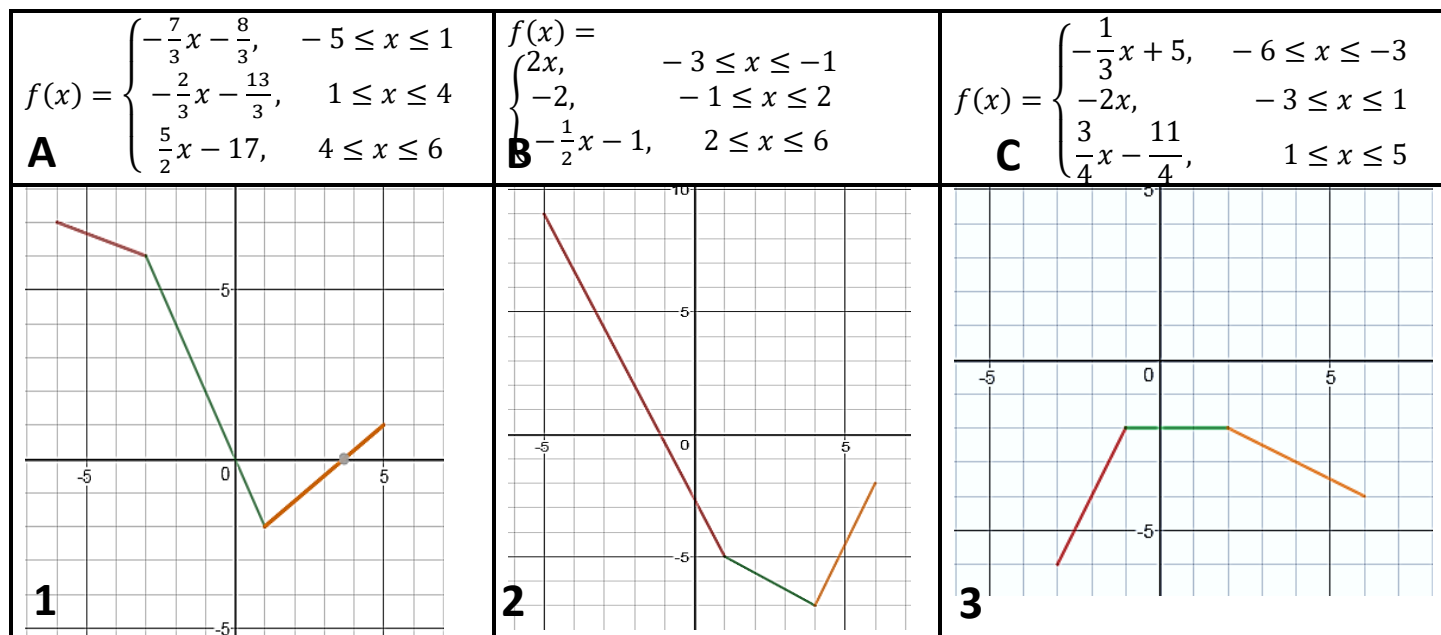


1) Match the piecewise functions to their graphs:

Function A = Graph \_\_\_\_\_

Function B = Graph \_\_\_\_\_

Function C = Graph \_\_\_\_\_

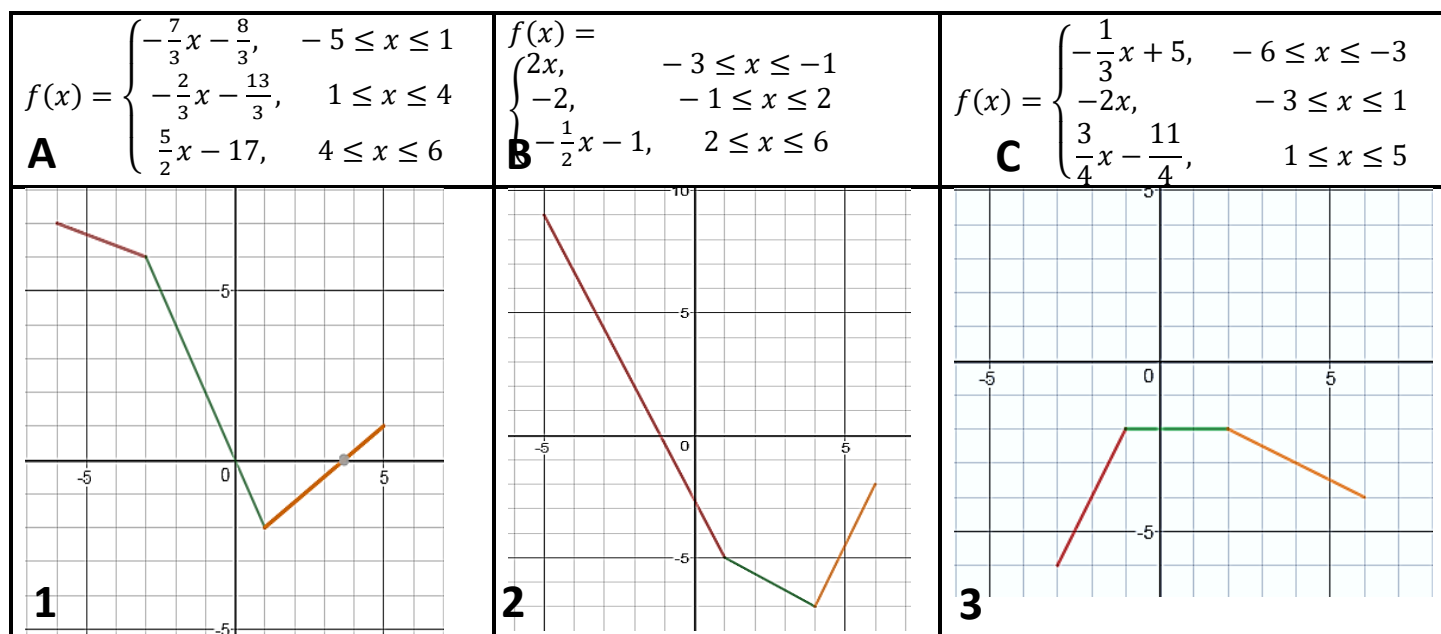


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2) Fred's Fabulous Fitness Center charges \$29.99 for the first ten weeks of membership. After the first ten weeks, the center charges \$10.00 for every additional week. Write a piecewise function for this situation where  $w$  is the number of weeks and  $c(w)$  is the amount charged.

$$c(w) = \begin{cases} \underline{\hspace{2cm}} & , \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & , \underline{\hspace{2cm}} \end{cases}$$

3) Solve the following absolute value equation by graphing:  $|x - 6| < 3$

Write your solution as a compound inequality **AND** graph on a number line.

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