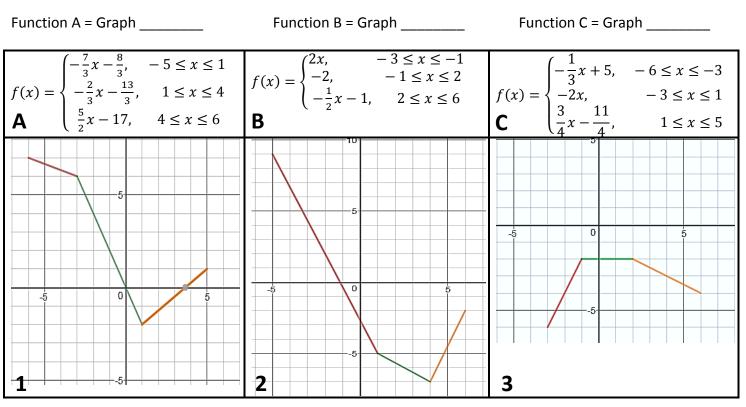
Name _____

Progress Check – Piecewise Functions & Absolute Value Graphing (A8-A11)

1) Match the piecewise functions to their graphs:



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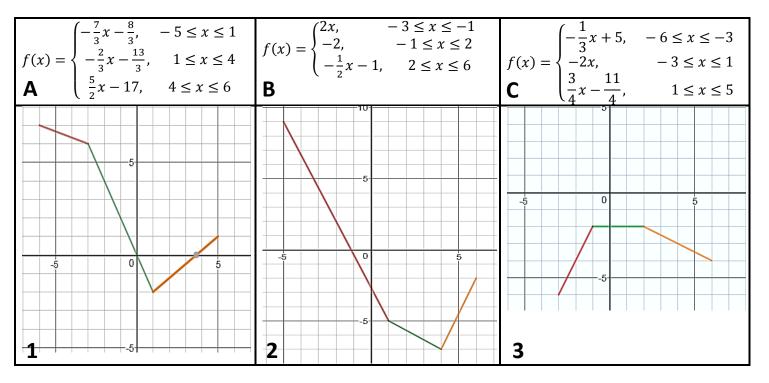
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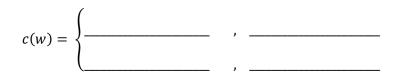
Function A = Graph _____

Function B = Graph _____

Function C = Graph _____



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.



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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