

Name _____ Date _____ Per _____

Piecewise Function Classroom Activity

In pairs, students will each be assigned a specific color marker. Each student is responsible for graphing their own piece of the piecewise function and will be graded accordingly. Graphs must be precise with a straight-edge, x-y tables must be shown, and all work must be shown (if needed). All work and x-y tables should be written with your specific color marker. Use the back of this paper for all work shown.

Student A: Name _____ Color _____

Student B: Name _____ Color _____

Student C: Name _____ Color _____

Student D: Name _____ Color _____

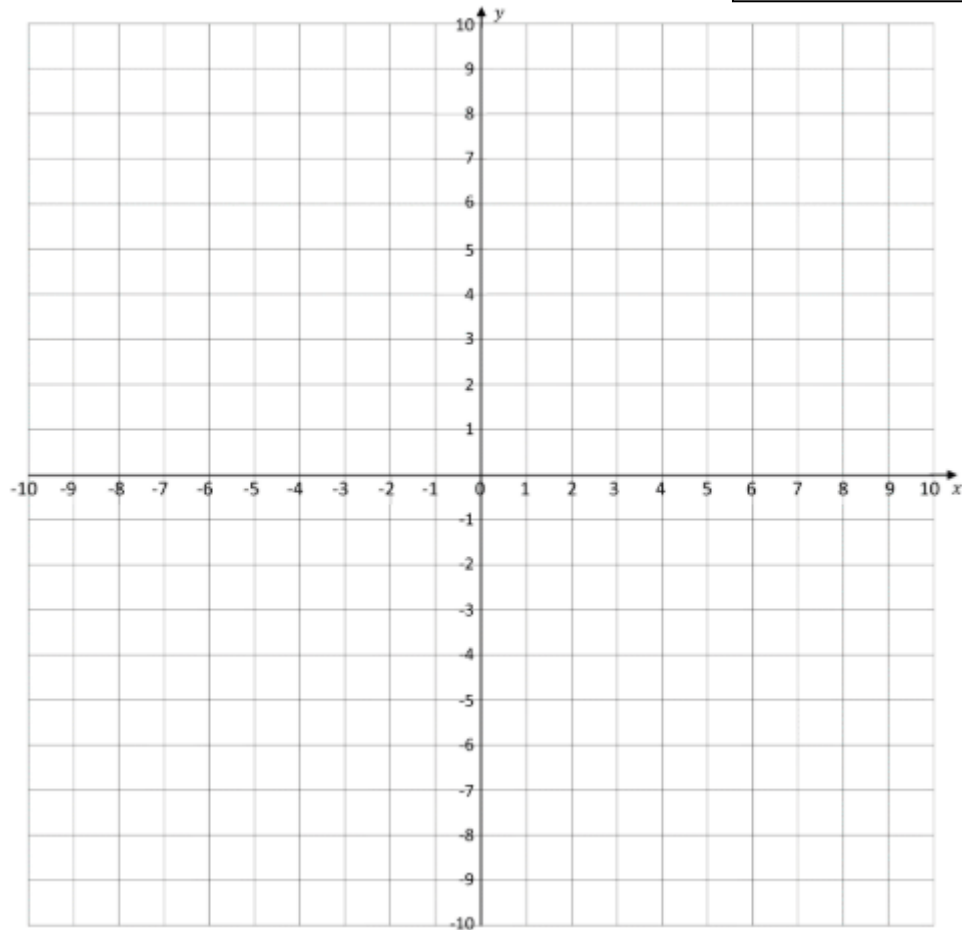
$$f(x) = \begin{cases} -x + 3 & x \leq 2 \\ 2x - 4 & x > 2 \\ -x + 2 & 2 < x \leq 6 \\ 2x - 18 & x > 6 \end{cases}$$

Color _____

Color _____

Color _____

Color _____



Grades A: _____ B: _____ C: _____ D: _____ Total _____

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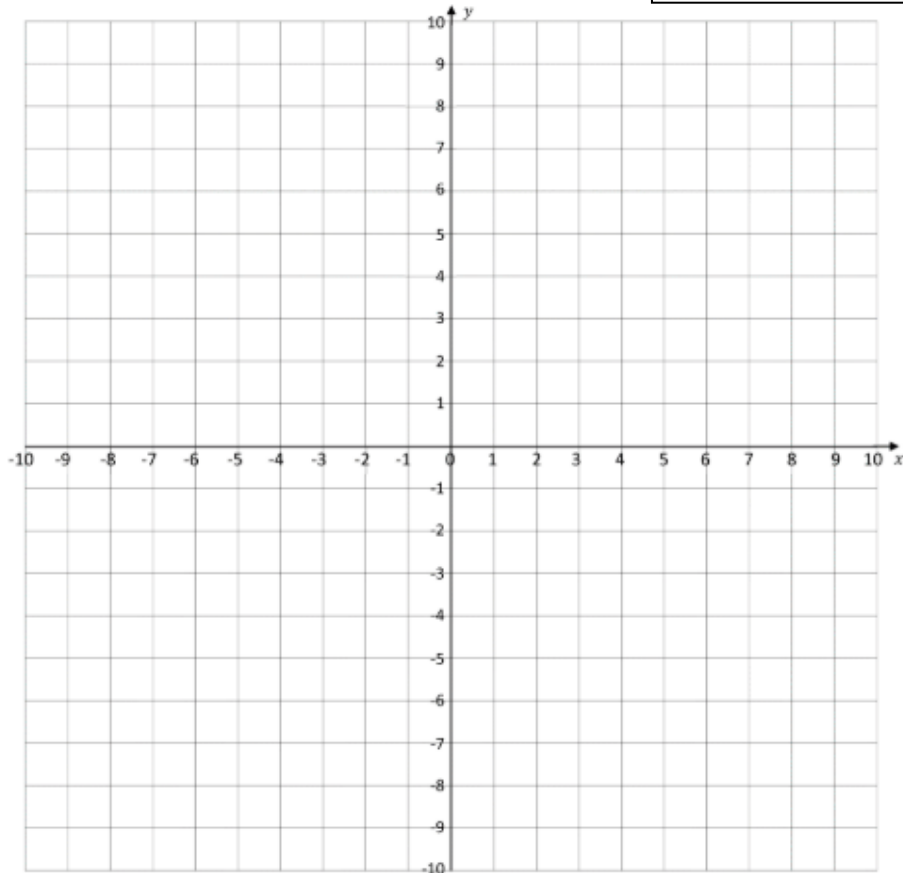
$$f(x) = \begin{cases} -x + 5 & 0 \leq x < 3 \\ x + 5 & -3 \leq x < 0 \\ -\frac{2}{3}x & x < -3 \\ \frac{2}{3}x & x \geq 3 \end{cases}$$

Color _____

Color _____

Color _____

Color _____



Grades A: _____ B: _____ C: _____ D: _____ Total _____