

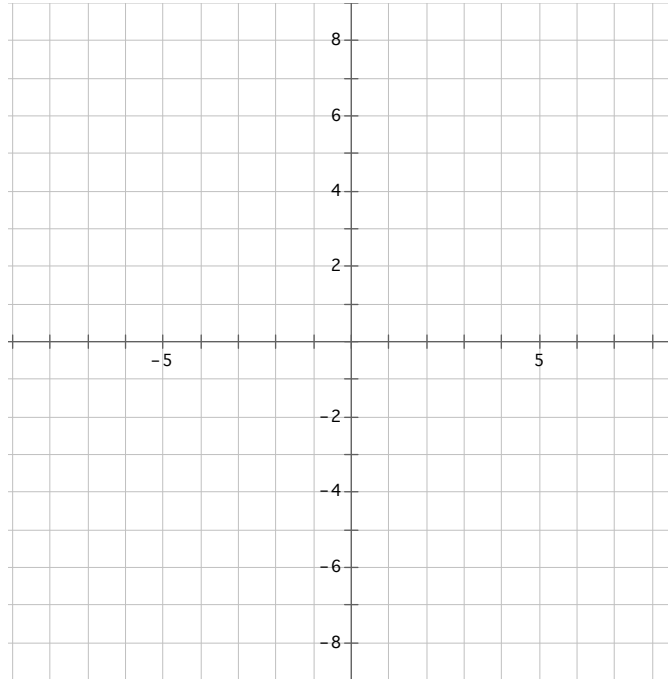
**HW: Linear Piecewise Equations**

9/19/17

Graph each piecewise function. State the absolute and relative minima and maxima.

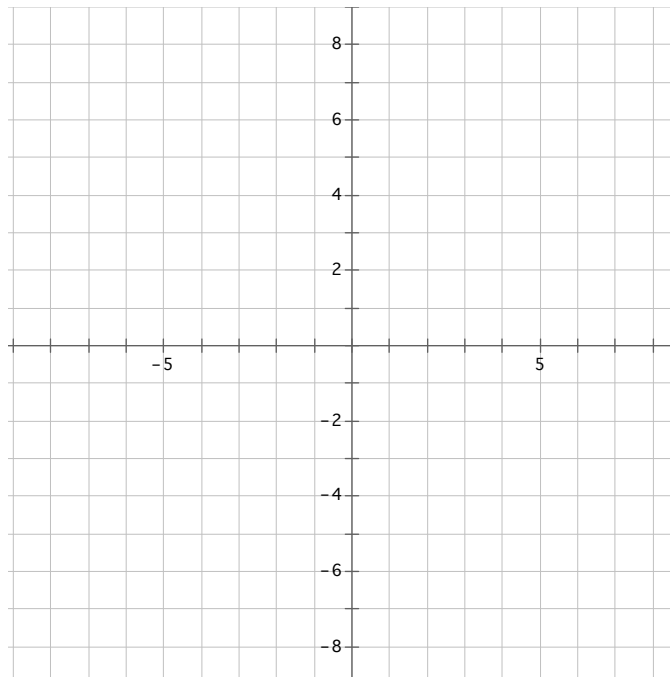
1.

$$g(x) = \begin{cases} \frac{3}{4}x + 2 & \text{for } x \leq 4 \\ 5 & \text{for } x > 4 \end{cases}$$



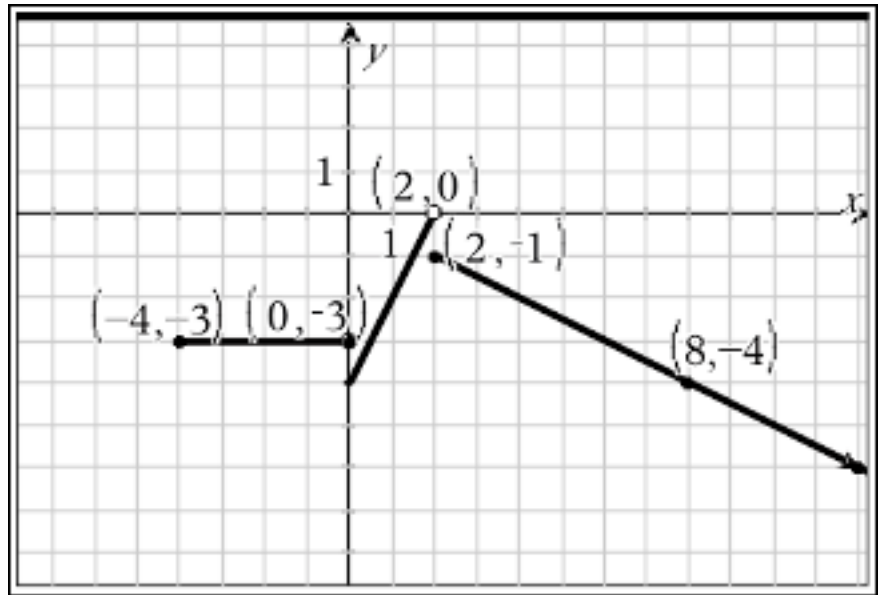
2.

$$f(x) = \begin{cases} 2(x+3)+1 & \text{for } x < -2 \\ -x & \text{for } -2 \leq x < 2 \\ -\frac{3}{2}x + 4 & \text{for } 2 \leq x \leq 6 \end{cases}$$



Write the equation for each piecewise function. State the domain and range for each function.

3.



4.

