## Quiz 0

Show all your work. Reasonable supporting work must be shown for any partial credit. Name (s):

1. Consider the graph of $f$ shown on the right.
(a) $[1]$ Is $(-2,-5)$ on

(b) [1] Estimate $f(-5)$.

(c) [1] Find the coordinates where $f$ is at a minimum. minimus is where $y$-cord or apt is larest (c) $x=-5$ and $y=-2$
(d) [4] Find the piece-wise defined algebraic rule for the function $f$ of the form:

$$
f(x)= \begin{cases}2 / 3 x+4 / 3 & -5 \leq x \leq-1 \\ 2 / 3 & -1<x \leq 4\end{cases}
$$




$\Rightarrow 4 / 3=6+.5 \quad \Rightarrow y=2 / 3+1$
2. [3] Create a function whose domain is all UWT students. Evaluate this function on yourself.

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