Representation of functions and limits 1.1

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$$f(x)=\begin{cases} x+1 & x \leq -1 \\ x^2 & x > -1 \end{cases}$$

$$f(-3) = -2$$

$$f(0) = 0$$

$$f(2) = 4$$

$$f(x)=\begin{cases} 3-\frac{1}{2}x & \text{if } x<2 \\ 2x-5 & \text{if } x\geq 2 \end{cases}$$

$f(-3)=3+\frac{3}{2}$

$f(0)=3$

$f(2)=-1$

$$f(x)=\begin{cases} x+1 & \text{if } x<0 \\ 1-x & \text{if } x\geq 0 \end{cases}$$

$f(-3)=-2$

$f(0)=1$

$f(2)=-1$

$f(t)=\sqrt{2t-1}$

domain $=(-\infty,\infty)$