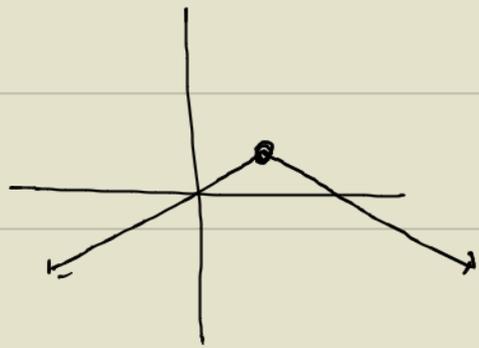


LIMIT D.N.E.



LIMIT DOES EXIST

12. $\lim_{x \rightarrow 3} f(x)$

$$f(x) = \begin{cases} 5x-1, & x \leq 3 \\ -x+17, & x > 3 \end{cases}$$

$$\begin{array}{r} \underline{5x-1} \\ 5(3)-1 \\ 15-1 \\ 14 \end{array} \qquad \begin{array}{r} \underline{-x+17} \\ -3+17 \\ 14 \end{array}$$

AGREE

ANS IS 14

13. $\lim_{x \rightarrow 2} f(x)$

$$f(x) = \begin{cases} 3x-2, & x \leq 2 \\ 4x-1, & x > 2 \end{cases}$$

$$\begin{array}{r} \underline{3x-2} \\ 3(2)-2 \\ 6-2 \\ 4 \end{array} \qquad \begin{array}{r} \underline{4x-1} \\ 4(2)-1 \\ 8-1 \\ 7 \end{array}$$

Don't AGREE so LIMIT D.N.E.