Unit 1 Quiz - KU

Please complete the Limits Quiz - knowledge and understanding
Any concerns please send screenshots to your teacher on Teams.
Good luck!

1   1 point

$f(x) = x^2 - 2x + 1$ x< 5
$f(x) = 3 - x$ x>= 5

$\lim_{x->5^+} f(x)$

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2   1 point

Which statements are true for $f(x) = \sqrt{x+2} + 3$?

○ There is one vertical asymptote

○ Neither answers are true

○ There is one horizontal asymptote

○ Domain x > 0

○ Range y < 3

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3   1 point

if 2x -1 =< g(x) =<x^2-2x+3, then $\lim_{x->2} g(x) = 3$
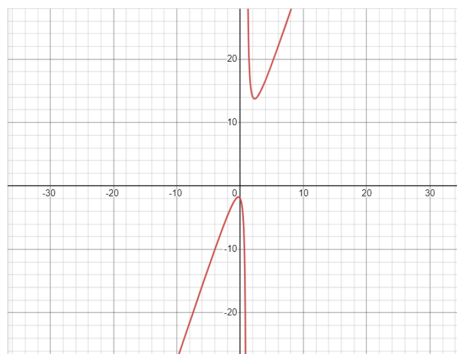
○ True

○ False

4   1 point

Find the graph for
$$\frac{3x^2+2}{x-1}$$

○

○

○
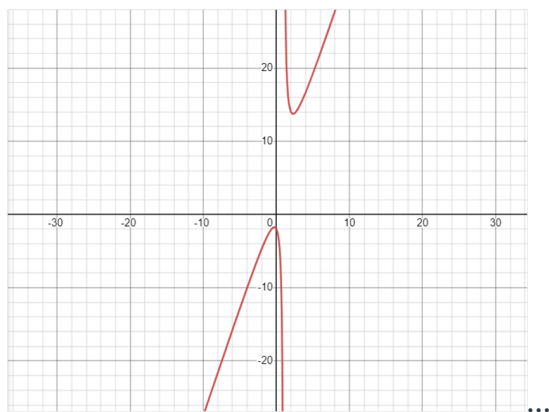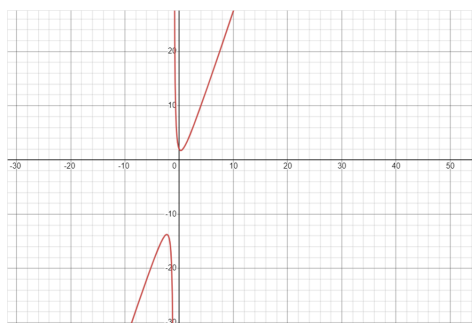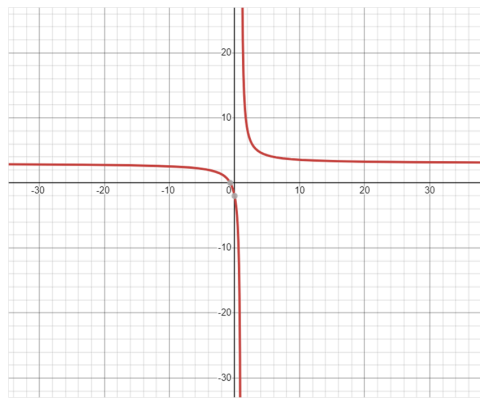
5   1 point

f(x) = 2x+2   x< 1
f(x) = 2x-4   x >=1

Find $\lim_{x->1-} f(x)$