Quiz 1

⚠ This is a preview of the published version of the quiz

Started: Oct 12 at 7:47am

Quiz Instructions

Question 1	**1 pts**

Find the limit $\lim\limits_{x \to 3} \dfrac{x^2 - 9}{x^2 + 2x - 3}$

Question 2	**1 pts**

Determine whether f is even, odd, or neither even nor odd: $f(x) = x^3 - x^7$

Question 3

1 pts

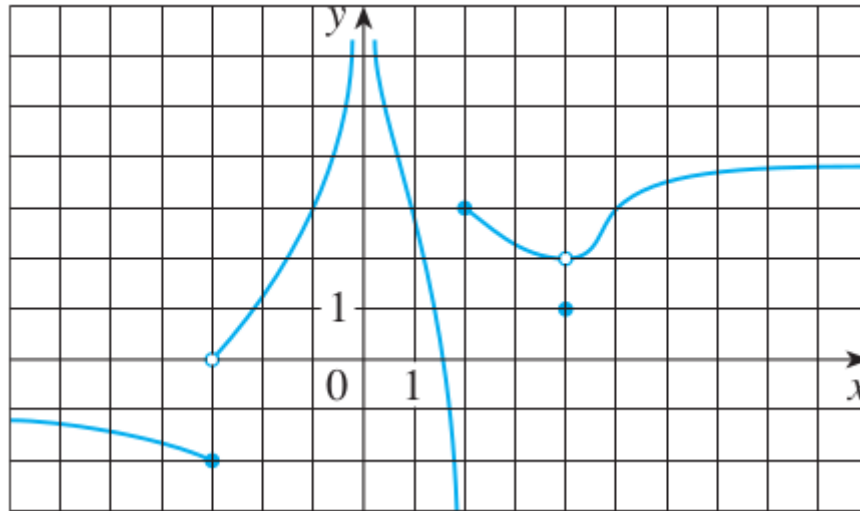Find the domain and range of the function $g(x) = \sqrt{16 - x^4}$.

○ $D = [-4, 4]$, $\quad R = \mathbb{R}$

○ $D = [-2, 2]$, $\quad R = [0, 4]$

○ $D = (-2, 2)$, $\quad R = (0, \infty)$

○ $D = (-4, 4)$, $\quad R = (-4, 4)$

Question 4

1 pts

Find the limit $\lim\limits_{x \to \infty} \left(\sqrt{x^2 + 4x + 1} - x \right)$

Question 5

1 pts

Find the limit $\lim\limits_{x \to 2} f(x)$

○ $-\infty$

○ It does not exist

○ 3

○ 2

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