



Quiz 1

1) If $f(x) = \sqrt{x+8}$ and $g(x) = -\sqrt{x+8}$ then the domain of $\frac{f}{g}(x)$ is

a) \mathbb{R}

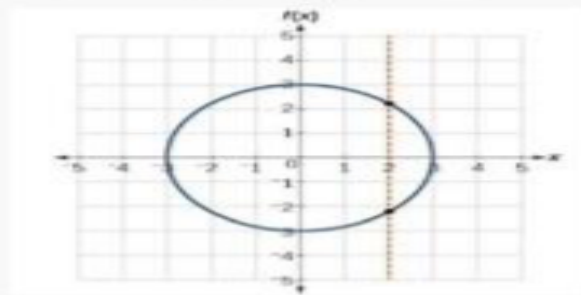
b) $(-8, +\infty)$

c) $[-8, +\infty)$

d) $\{-8\}$

1 درجة من 1 درجة

The following curve represents a function



a) True

b) false

3) For $x \in \mathbb{R}$,
 $\left| \frac{x}{3} \right| =$

a) $\frac{x}{|3|}$

b) $\frac{-x}{3}$

c) $\frac{x}{3}$

d) $\frac{|x|}{3}$

4) For the function $y = 3\theta + \cos\theta$ the dependent variable is

a) y

b) θ

c) none

5) For $x \in \mathbb{R}$,
 $|x+7|$

a) $|x+7|$

b) $|x|+7$

c) $x+|7|$

6) For $x < 0$,
 $|4x| =$

The domain of the function $f(x) = \sqrt{x+1}$ is

The domain of the function $f(x) = \frac{2}{x^2+3}$ is

The range of the function $f(x) = (x+1)^2 + 4$ is