← MA2009, section GRUPO4, Fall 2019

Tarea Dominio y Rango (Homework)

INSTRUCTOR
Luz Maria Gonzalez
Tecnologico de Monterrey, Mexico

Current Score

QUESTION	1	2	3	4	5	6
POINTS	3/3 ✓	1/1 ✓	1/1 ✓	1/1 ✓	1/1 ✓	1/1 ✓

TOTAL

8/8 100.0%

Due Date

Past Due

AGO. 31 11:59 P. M.

Request Extension

Assignment Submission & Scoring

Assignment Submission

For this assignment, you submit answers by questions.

Assignment Scoring

Your best submission for each entire question is used for your score.

The due date for this assignment has passed.

Your work can be viewed below, but no changes can be made.

Important! Before you view the answer key, decide whether or not you plan to request an extension. Your Instructor may not grant you an extension if you have viewed the answer key. Automatic extensions are not granted if you have viewed the answer key.

Request Extension View Key

1. **3/3 points** **Previous Answers** SCalcET8M 14.1.009. 1/5 Submissions Used **My Notes** **Ask Your Teacher**

Let $g(x, y) = \cos(x + 5y)$.

(a) Evaluate $g(5, -1)$.

$g(5, -1) =$ 1 ✓

(b) Find the domain of g.

- $-1 \le x + 5y \le 1$
- $-5 \le x \le 5, -1 \le y \le 1$
- $-1 \le x \le 1, \frac{1}{5} \le y \le \frac{1}{5}$
- $\mathbb{R}^2$ ✓
- $\frac{\pi}{2} \le x + 5y \le \frac{\pi}{2}$

(c) Find the range of g. (Enter your answer using interval notation.)

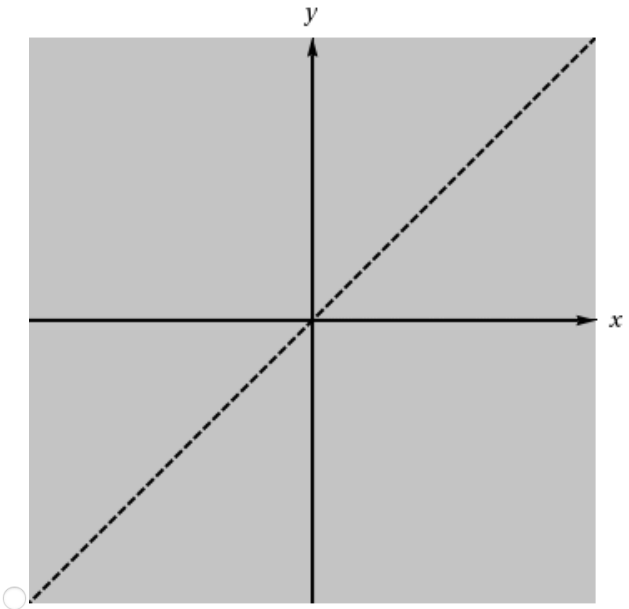
$$[-1,1]

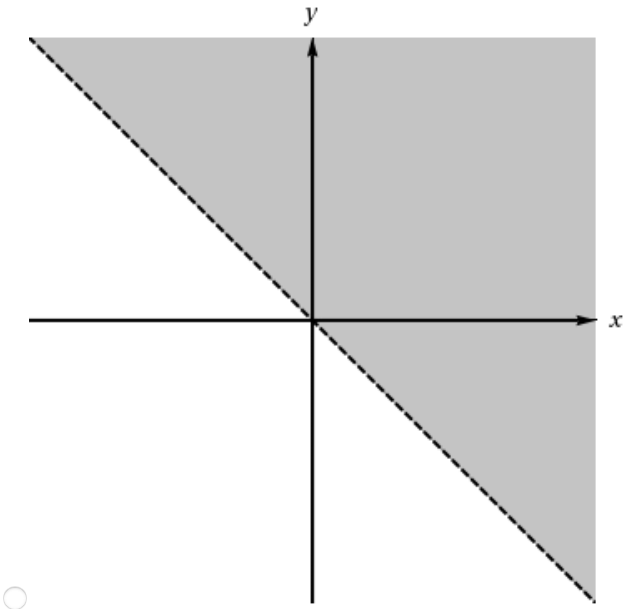
✓

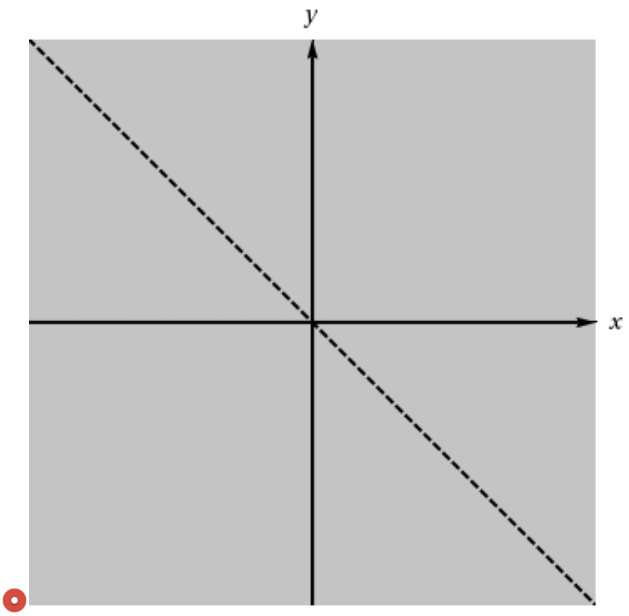
Need Help? Read It

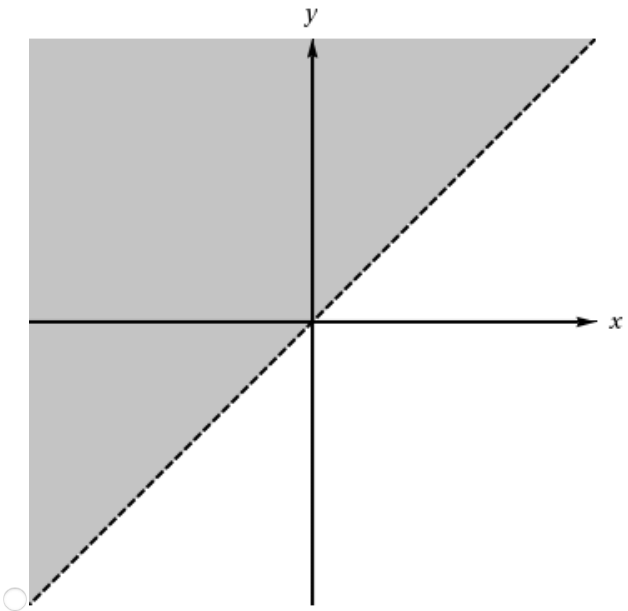
Find and sketch the domain of the function.

$$g(x, y) = \frac{x - y}{x + y}$$





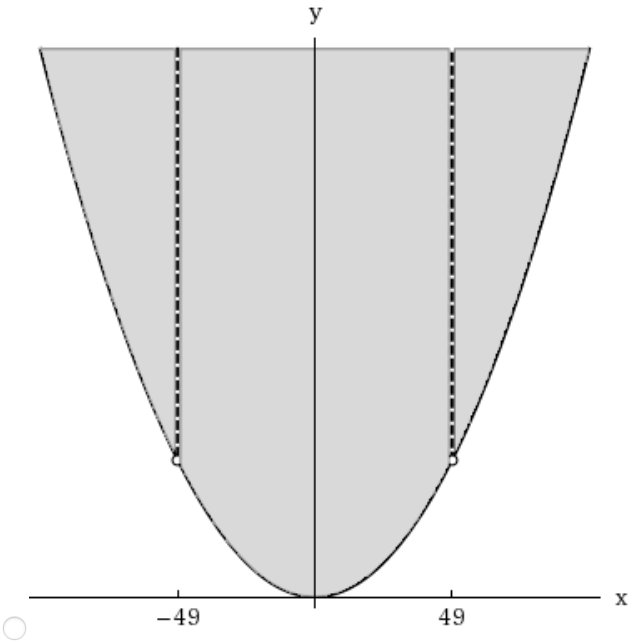


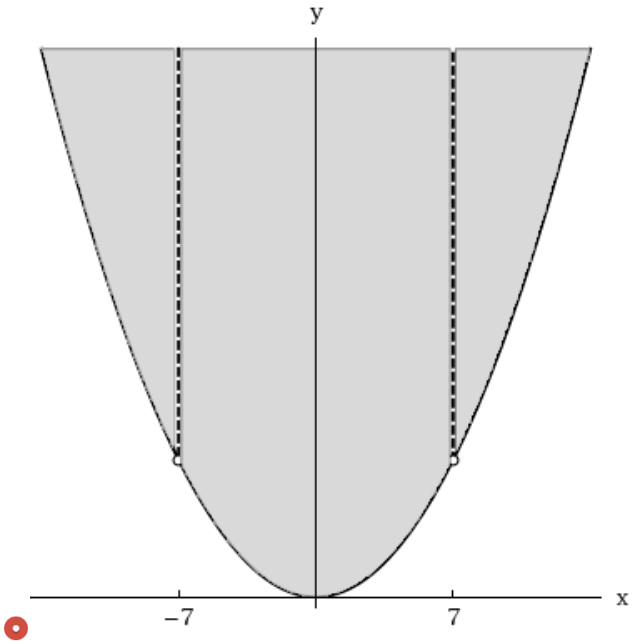


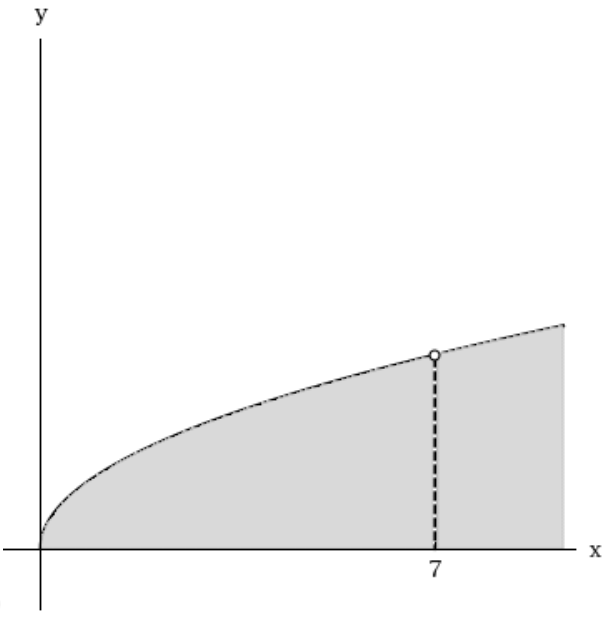
Need Help? Read It

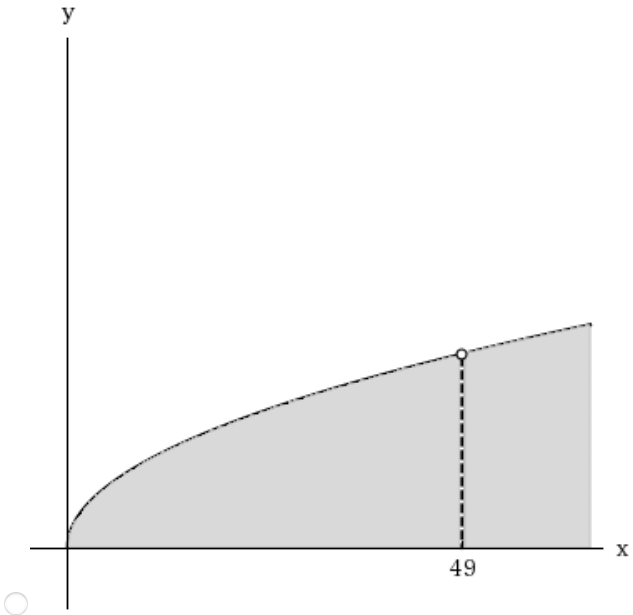
Find and sketch the domain of the function.

$$f(x, y) = \frac{\sqrt{y - x^2}}{49 - x^2}$$





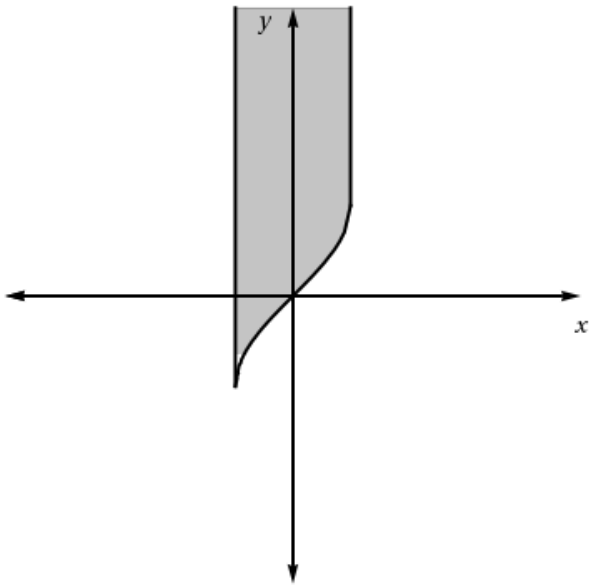


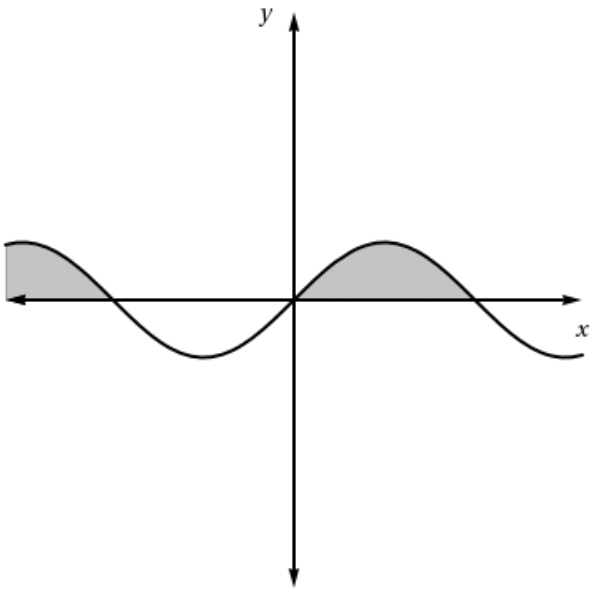


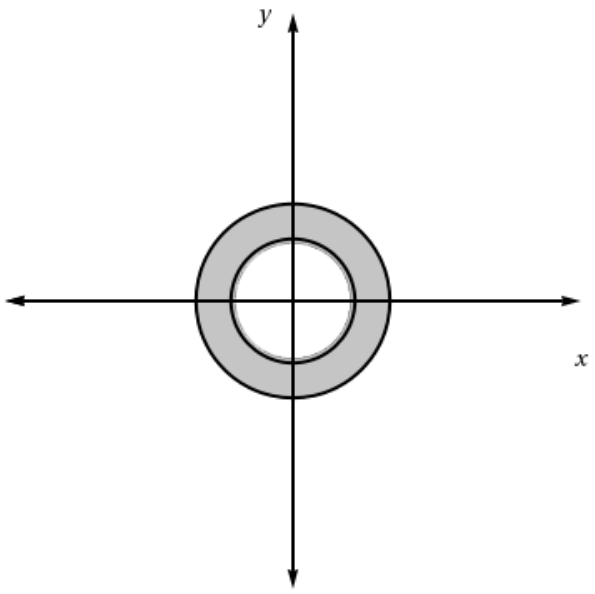
Need Help? Read It Watch It Master It

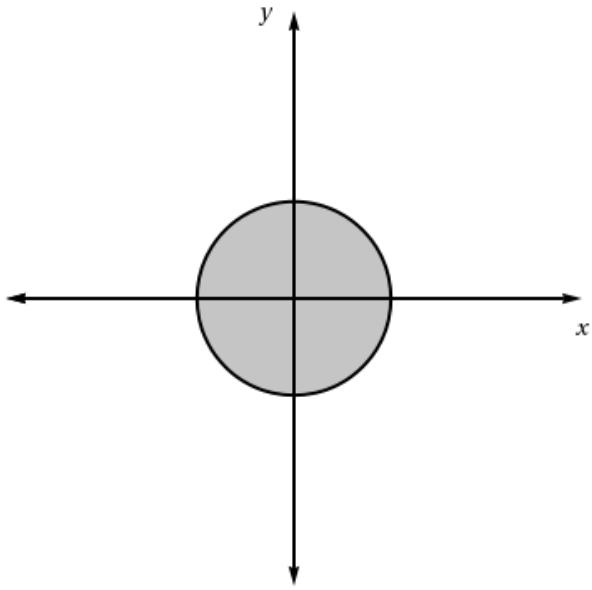
Find and sketch the domain of the function.

$f(x, y) = \arcsin(x^2 + y^2 - 2)$









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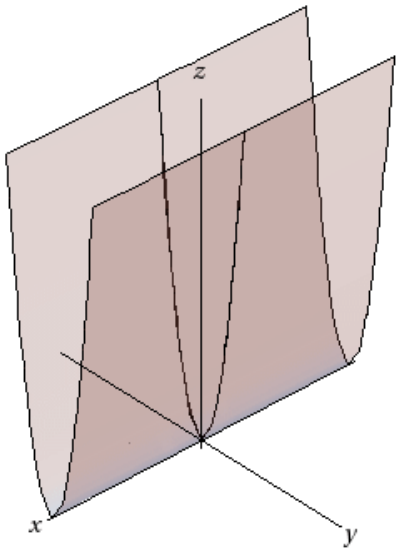
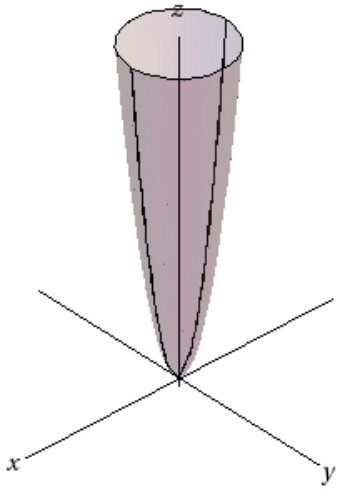
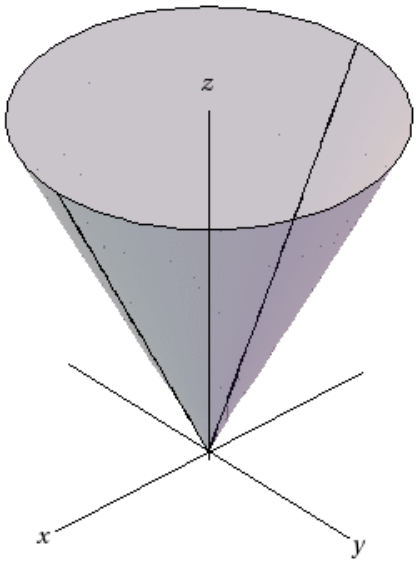
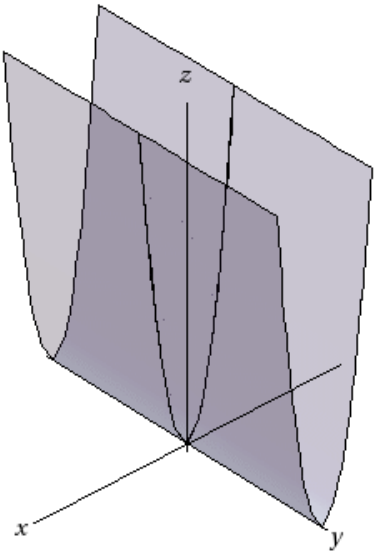
Sketch the graph of the function.

$f(x, y) = x^2$









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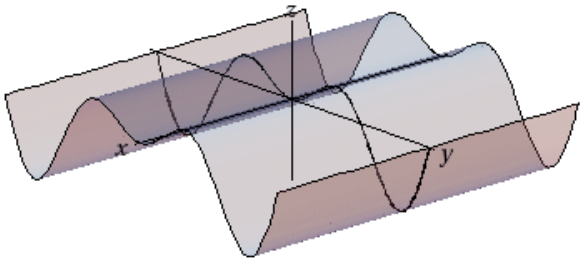
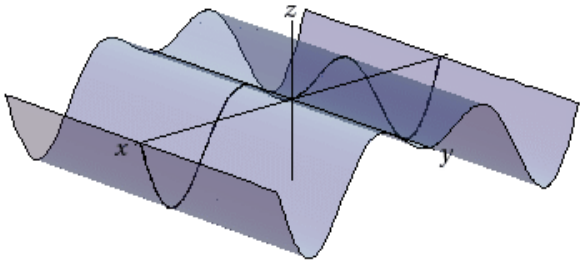
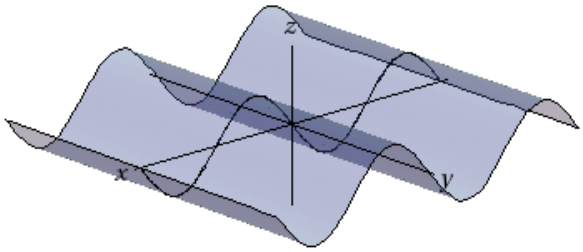
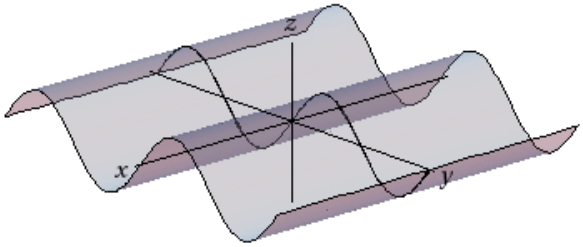
Sketch the graph of the function.

$f(x, y) = \sin(x)$









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Question 1 of 6 View Next Question

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