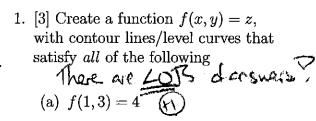
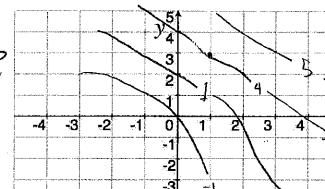
Quiz 5

This is a two-stage quiz. During the first stage, use your knowledge & calculator. You have 15 min. In the second stage, you are now welcome to use your books, notes, and students in the class to retake the same quiz. You have the remainder of the quiz time to write one solution (with everyones name on it!!!) to be turned in for the group.





(b)
$$f(0,0) = -1$$

There are 2015 of Erswer (a)
$$f(1,3) = 4$$
 (b) $f(0,0) = -1$ (1)

There are 2015 of Erswer (a) $f(1,3) = 4$ (b) $f(0,0) = -1$ (c) $f_x(1,3) > 0$ (d) The contraction of the $f(0,0) = -1$ (d) The contraction of the $f(0,0) = -1$ (e) $f_x(1,3) > 0$ (for $f_x(1,3) > 0$

mare in postive director, inc zucha 2. A model for the surface area of a human body is given by the function:

$$S(w, h) = 0.109w^{0.425}h^{0.725}$$

where w is the weight (in pounds), h is the height (in inches), and S is measured in square feet.

(a) [2] Find S(200,72) and interpret it.

A 2001b person who is (aft fell (7) inche) has about 33 fr³ when (aft fell (7) inche) has about 34 fr³ when (aft fell (7) inche) has about 35 fr³ when (aft fell (7) inche) has about 35 fr³ when (aft fell (7) inche) has about 35 fr³ when (aft fell (7) inche) has about 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7) inche) has a constant 35 fr³ when (aft fell (7)for S. Briefly justify your answer.

Shert (1) Methemorpholy: Domain is when world and heights should be maded by Seet to a person's minimal wight a height. When the short world wight a height. When we and his should be soon. When we and his should be soon.

Sulw, W) = . 109 (.425) w 425-1 h .725 \$.0463 w -.575 h power reaction constant (15)

The 20016 and loss full person increases their weight about 16, their surface area will inc about ,05 ft?