

6. (5 points) There were 238 million bushels of wheat grown in Michigan in 1990 and the wheat sold for \$2.21 per bushel that year. In 1992, there were 242 million bushels grown, and wheat sold for \$2.00 per bushel in 1992.

(a) What was the revenue from wheat in Michigan in 1990?

In 1992?

(b) What was the average rate of change of the revenue from wheat over the period of time from 1990 to 1992?

7. (5 points) A function f is known to have positive average rate of change on the interval from $x = 2$ to $x = 4$. Which of the following numbers are possible values for $f'(3)$? Circle all that apply.

(i) 3

(ii) 0

(iii) -2

8. (9 points) Values of functions f and g are given in the following table. The function g is known to be invertible. Determine:

(a) $f(g(3))$ _____

(b) $f(f(3))$ _____

(c) $f(g^{-1}(3))$ _____

x	1	2	3	4	5
$f(x)$	0	7	4	6	2
$g(x)$	1	3	5	7	9