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?

Rov in 1990 = 238 (221) = \$535.98 million

In 1992?

Rovin 1993 = 242 (200) = \$484 million

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

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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.



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) $f(g(3)) = \frac{f(5)}{2} = 2$ (b) $f(f(3)) = \frac{f(4)}{2} = 6$ (c) $f(g^{-1}(3)) = \frac{1}{3}$

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