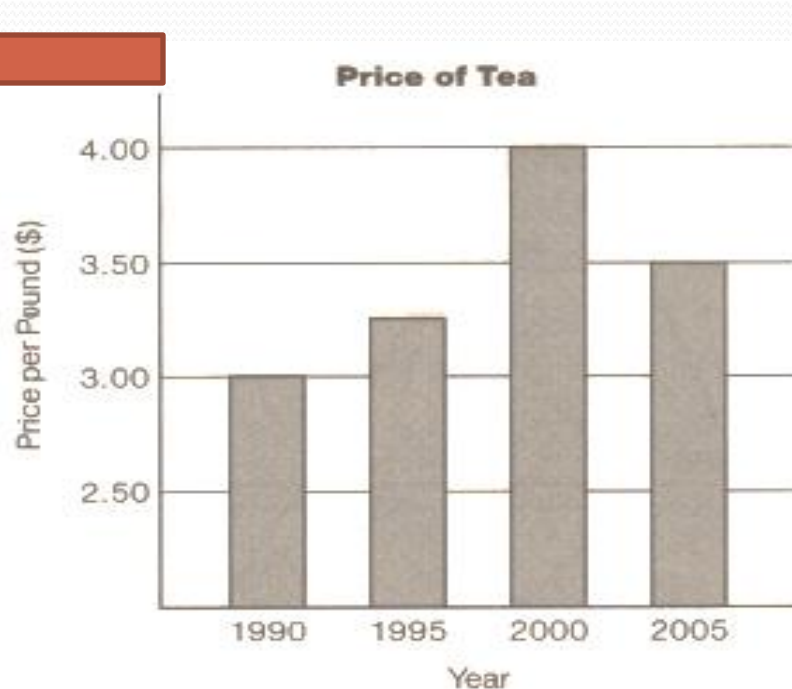


Monday, October 17

The graph below shows the price of tea from 1990 to 2005. According to the graph, what was the percent decrease in the price of tea from 2000 to 2005?

- f. 12.5
- g. 20
- h. 25
- j. 50
- k. 87.5



Tuesday, October 18


For which of the following functions is $f(x) = f(-x)$?

a. $f(x) = x - 3$

b. $f(x) = x^3$

c. $f(x) = -x$

d. $f(x) = x^2 - x + 2$

e. $f(x) = -x^2 + 4$ 


Wednesday, October 19

If a is a real number such that $0 < a < 1$, which of the following numbers has the largest value?

f. a

g. $\frac{1}{a}$

h. a^2

j. $\frac{1}{a^2}$ 

k. $-a^2$

Thursday, October 20

Thomas and Jay are each rolling a wheel along a pavement. The diameter of Jay's wheel is double the diameter of Thomas's wheel. How many revolutions does Thomas's wheel make for each revolution of Jay's wheel?

- a. 10
- b. 8
- c. 4
- d. 2
- e. $\frac{1}{2}$



Friday, October 21

The total surface area of a cylindrical can equals the sum of the lateral surface area and the areas of the base and lid. The lateral surface area is given by the equation $L = 2\pi rh$, where r is the radius of the base and h is the altitude. In square inches, what is the total surface area of the can pictured below?

f. 48π

g. 54π

h. 57π

j. 60π

k. 66π

