

An eConcordia Examination Answer Sheet

Course: MATH208EC

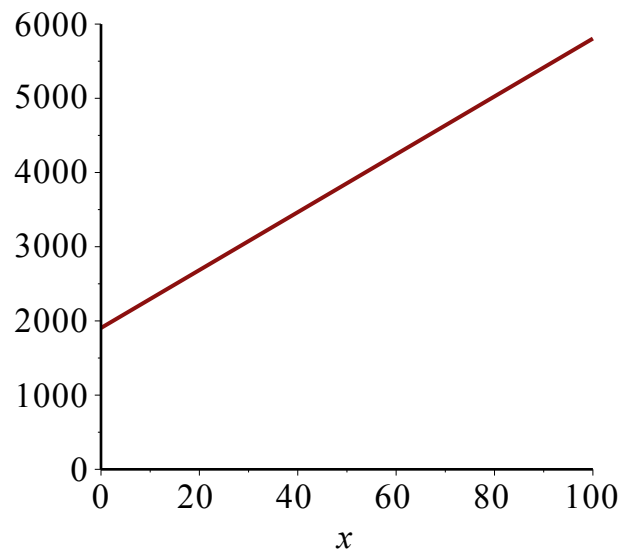
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Question 1

A) $C(x) = 39x + 1905$

B)



C) The slope is the marginal cost. It is the cost of producing each additional tennis racket. The y-intercept is the fixed costs. It is the cost that will be incurred when no rackets are made.

Question 2

A) $x = 3, x = -1$

B) $x = 6, x = -1$

C) $x = 8$

D) $x = 4$

E) $x = 4$

Question 3

A) 74,700

B) $\frac{1}{2}$

Question 4

A) Approximately 35 months.

B) \$5,000 of interest was earned.

Question 5

A) The monthly payment will be \$1386.77

B) After 15 years, the outstanding balance will be \$140,905.98

C) After 20 years, the outstanding balance will be \$76,418.71.

Question 6

$$x = \frac{176}{49}, y = \frac{24}{49}, z = \frac{1}{7}$$

Question 7 Note: The units here are billions of dollars

$$x_1 = 40.1, x_2 = 29.4, x_3 = 34.4$$

Question 8

All points on the line segment between $(2, 6)$ and $(5, 0)$ will have the maximum value of 10.

Question 9

A) 30,045,015 ways.

B) 2,661,120 ways.

Question 10

0.4777, or 47.77%