Name:					
<u>PART A:</u> Answer the following q					
1. What does MSRP stand for?					
2. What does it mean to lease a ca	r?				
3. Explain the following terms wita) Freight					
b) Finance Charge					
2. Justin's truck has a fuel cons drives a total of 193 500 km a cost of \$75 His vehicle I fuel is \$1.24 / L, determine	. Justin pays \$2350 insurance icence plate is renewed each	ce each year. year at a cost	He renev of \$74 p	ved his drive er year. If tl	er's licence, once, at
Fuel Costs	Vehicle Maintenance	Frequency (km)	# of Times	Cost	Maintenance Cost
km Travelled	Lube, Oil and Filter	5000		\$29.95	
Fuel Consumption	Tire Rot./Brake Insp.	10 000		\$41.50	
Cost per Litre	Wheel Alignment	25 000		\$69.75	
	Cooling System	50 000		\$72.95	
TOTAL	Tune-Up/Emission Sys	Tune-Up/Emission Sys 50 000		\$225.00	
	Auto Transmission	85 000		\$145.00	
				Subtotal	
				HST	
				TOTAL	
					_
Insurance / Year	License Plate Fee				
# of Years	# of Years				
Subtotal	Total Plate Fees				
Tax (1%)	License Renewal				
Insurance TOTAL	License TOTAL				

TOTAL COST

Average Monthly Cost

1. Kayla wants to purchase a new Volkswagen Jetta GLS with 1.8L 180 HP engine and manual trasnmission. She would like a sunroof, heated seats, 17" alloy wheels, and monsoon sound.

She has a trade in worth \$2500 and negotiates a \$1500 discount with the dealer.

(a) Determine the purchase price excluding taxes.

Jetta
Manufacturer's Suggested Retail Price* (Canada)

MODELS				
TRIM LEVEL	ENGINE	TRANSMISSION	R	ETAIL
	2.0L 115 HP	5-speed manual	\$	21,700
GL	2.0L 115 HP	4-speed automatic	\$	22,800
	1.9L TDI 90 HP	5-speed manual	\$	23,680
	1.9L TDI 90 HP	4-speed automatic	\$	25,205
	2.0L 115 HP	5-speed manual	\$	24,090
2.0L 115 HP 1.8L 180 HP 1.8L 180 HP 2.8L 174 HP VR6	2.OL 115 HP	4-speed automatic	\$	25,190
	1.8L 180 HP	5-speed manual	\$	26,190
	1.8L 180 HP	5-speed automatic Tiptronic	\$	27,590
	2.8L 174 HP VR6	5-speed manual	\$	27,110
	2.8L 174 HP VR6	4-speed automatic	\$	28,210
	1.9L TDI 90 HP	5-speed manual	\$	25,680
	1.9L TDI 90 HP	4-speed automatic	\$	27,205
	2.8L 174 HP VR6	5-speed manual	\$	34,110
GLX	2.8L 174 HP VR6	4-speed automatic	\$	35,210
	2.8L 200 HP VR6	5-speed automatic Tiptronic	\$	37,110
xcise Tax on Air	r Conditioning (add to all order	s for A/C equipped models) **	\$	100
Destination Cha	-ge (subject to change, add to	all orders)	\$	555

e proposition de la company de	OPTIONS		
TRIM LEVEL	OPTION	RI	ETAIL
	Air Conditioning	\$	1,295
GL	Side Curtain Protection TM	\$	220
	Luxury Package - GLS 1.8L & 2.0L automatic / manual & GLS 1.9L manual only Includes power sunroof and 15" alloy wheels	\$	1,445
	Luxury Package - GLS VR6 only Includes power sunroof and 16" alloy wheels	\$	1,740
GLS	Sport Luxury Package - GLS VR6 and 1.8L only Includes power sunroof, 17" alloy wheels, summer performance tires and sport suspension	\$	2,640
	Power Sunroof - GLS Wolfsburg, and 1.9L automatic only (Alloy wheels standard equipment on these models)	\$	1,015
	Side Curtain Protection TM	\$	220
	Cold Weather Package Includes heatable front seats and heated washer nozzles (Options included within Leather Package)	\$	205
	Leather Package Includes multi-function steering wheel, leather seating surfaces, steering wheel, shift knob/hand brake, heatable front seats and heated washer nozzles, and lumbar support.	\$	1,400
	Sport Suspension - GLS VR6 and 1.8L only	\$	300
	Monsoon ® Sound System	\$	470
	17" Alloy Wheels and Tires	\$	600
GLX	Side Curtain Protection TM	\$	220
	Climatronic with impact pressure control free of CFC	\$	540

- 2. Bob purchases a used car by answering a newspaper ad. The seller offers Bob a choice:
 - i) pay \$13 500, certification fee of \$65.00, transfer fee of \$15.00, and the seller will pay for all repairs necessary for certification

OR

ii) pay \$12 300, the following repair bills, certification fee and transfer fee.

bodywork, repainting	\$564.70
2 new tires	\$251.30
brake shoes, universal joints	\$140.80
replace the headlights	\$ 57.90

Determine the Total Cost of both choices by showing all your work and state which choice is better.

- 3. Josh buys a used car from a dealership with a sticker price of \$13 850
 He pays \$2500 down, then pays off the rest of the debt by making 36 monthly payments of \$489.34
 Determine the following:
 - a) Cash Price
 - b) Finance Charge
 - c) Amount Borrowed
 - d) Effective Rate of Interest to 1 decimal place

4. **Leasing Information**

Buying Information

Monthly payment	\$399	MSRP	\$28 490
Number of Months	48 months	Freight	\$1060
Amount Due At Signing	\$4725	Down Payment	\$3560
		Finance Rate	2.9%
		Financed Time	60 months

Purchasing At Lease End Information

Buyout Price	\$12 580.60
Effective Rate Of Interest	3.9%
Financed Time	36 months

Using the information above answer the following:

I) MAZDA MPV - LEASING AND BUYING OUT AT LEASE END

- a) Determine the cost of leasing.
- b) I am allowed 22,000 km per year. If I drove 96,400 km, and the charge for excess km is \$0.11 per km, how much do I owe at lease end?
- c) Determine the cash price of the car at lease end.
- d) Determine the finance charge to purchase the car at lease end.
- e) Determine the total cost of leasing and purchasing the car at lease end.

II) MAZDA MPV - BUYING THE VAN

- a) Determine the purchase price excluding taxes.
- b) Determine the cash price of the car.
- c) Determine the amount borrowed.
- d) Determine the finance charge.
- e) Determine the total cost (instalment price) of the car.

III) MAZDA MPV - COMPARING BUYING VERSUS LEASING

Determine how much is saved by buying the van rather than leasing and buying at lease end.

* T		
Name:		
Name.		
1 100111		

PART A: Answer the following questions in the space provided.

1. What does MSRP stand for?

2. What does it mean to lease a car?

To rent a car from the dealer



- 3. Explain the following terms with respect to buying cars:
 - a) Freight cost to ship the car to the dealership from the factory

b) Finance Charge a nount paid over the each price

when financing a car

price paid by to dealer for the car

2. Justin's truck has a fuel consumption rating of $7.4\ L\,/\,100\ km$. In the first 5 years he owns the truck, Justin drives a total of 193 500 km. Justin pays \$2350 insurance each year. He renewed his driver's licence, once, at a cost of \$75 His vehicle licence plate is renewed each year at a cost of \$74 per year. If the average cost of fuel is \$1.24 / L, determine Justin's average monthly operating cost over the 5 years.

Fuel Costs		Vehicle Maintenance	Frequency (km)	# of Times	Cost	Maintenance Cost
km Travelled	193500 Km	Lube, Oil and Filter	5000	38	\$29.95	41138-10
Fuel Consumption	7.4 L/100 km	Tire Rot./Brake Insp.	10 000	19	\$41.50	6788.20
Cost per Litre	41.24/4	Wheel Alignment	25 000	4	\$69.75	\$ 488.25
		Cooling System	50 000	3	\$72.95	\$ 218.85
TOTAL	117755.56	Tune-Up/Emission Sys	50 000	3	\$225.00	1675
		Auto Transmission	85 000	2	\$145.00	\$ 290

Subtotal **TOTAL**

Insurance /Year	\$2350	License Plate Fee	874
# of Years	5	# of Years	5
Subtotal	\$ 11750	Total Plate Fees	\$ 370
Tax (1%)	*117.50	License Renewal	\$75
Insurance TOTAL	\$11867.50	License TOTAL	+45

TOTAL COST	134134.59
Average Monthly Cost	1568.91



7: (12×5)

STORT LUXURY & 2640 SUNFOOT V

STORT LUXURY & 2640 SUNFOOT V

COLD WEATHER & 2057 V

MONSOON & 4701

ALC TAX

DEST CHARGE & 855

PEST CHARGE \$ 855 - DISCOUNT \$ 1500 -TRADE IN \$ 2500

\$ 26160

3. (a) HST=0.13 × 13850/ = \$1800.50 cosh price = 1800.50 + 13850/

(b) Ipay = 36x 489.74 /

Fprice 2 \$2500 + 17616.24 : \$20116.24

Firmue 2 \$20116.24-15650.50 clarge 2 \$20116.24-15650.50

: +15650,50

(c) Amount = \$15650.50 - \$2,500 beround = \$13150.50

(d) $\Gamma = \frac{200NE}{P(n+1)}$ $= \frac{200(12)(4465.74)}{(1312.50)(36+1)}$

2 i) BASE PAIRLE \$ 13500 V HST = 0.13 x 13500 V = \$1755 TOTAL : \$1755 + 13500 VV + 65 + \$15 = \$15335

ii) bax 100 = \$12300 U

HST = 0.13 x \$12300

= \$1599 VV

TOTAL = 1599 + 12300 \$564.70 + 251.30 + \$140.80 + \$57.90 +365 + 15 = \$14993.70

(ii) is a setter cloice Since your save \$341.30

4 - notex vireax

(2)

= 10717 776 496568.5

= 22.0%

```
4 I) (a) lease payments: #399 x (48-1)
                                               口)
        (6)
              Kn allowed = 4 x 22000
                                             (b) HST = 0.13 x 29500
                        = 88000 KM
                                                    - $3841.50
              excest 12m = 96 400 - 88000/
                                                   - 3841.504 29550
                       $ 0.11 x 8400 /
                                                  = 533 391,50 V
             HOT = 0.13 x 12580.60
                  2 $1635.48
             Cosh = 1635,48 + 12580,60
                                                      $29831.50
                   , 514216.08
                                          (d) I = Pr(n+1)
Zero N
            I = \frac{Pr(\Lambda + 1)}{2\pi e N}
       (d)
                                                200(12)
             I = (4216.08)(3,9)(3641)
200(12)
                                                   5277192.35
                 2400
                                                     2400
                                                 $2198.83
                                            Total = $2198,83
Cost = +33391.50
            >talcost =
                       $23478
                                                 2 $35590.33
                     $39472.82
          SAUINGS 2 $ 39472.82 - 35590.33 (1)
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53882,49