Sam wants to invest \$975.00. His bank offers an investment option that earns **simple interest** at a rate of 4.25% per year. How much interest would Sam make on his investment after 5 years?

$$I = Prt$$
 $I = ?$
 $I = 975(0.0435)(5)$
 $P = 975$
 $I = 4307.19$
 $r = 0.0435$
 $t = 5$

Dawn wants to invest \$9500.00. His bank offers an investment option that earns **interest compounded** quarterly at a rate of 4.2% per year for 8 years. How much would he have after 8 years

Jason wants to invest \$5300.00. His bank offers an investment option that earns **interest compounded** monthly at a rate of 3.9% per year for 6 years. How much interest would this investment make?

$$A = P(1 + r/n)^{nt}$$

$$P = 7$$

$$P = 5300$$

$$A = P(1 + r/n)^{nt}$$

$$A = P(1 + r/n)^{nt}$$

$$A = 7$$

$$A = 5300 (1 + 6.034)^{(12)(6)}$$

$$A = 5300 (1 + 6.034)^{(12)(6)}$$

$$A = 7$$

$$A = 7$$

$$A = 7$$

$$A = 5300 (1 + 6.034)^{(12)(6)}$$

$$A = 7$$

$$A =$$

The interest earned on a deposit is \$45.00 with an interest rate of 3.8% per annum. If the money was invested for 6 years, what is the principal?

$$I = Prt$$

$$I = 45 45 = P(0.038)(6)$$

$$P = ? 45 = P(0.038)$$

$$V = 0.038 0.000$$

$$V = 997.37$$

$$t = 6$$

Calculate the interest, the balance due and minimum payments on the following credit cards.

(5.00% or \$10.00, whichever is greater).

Unpaid balance: \$614.00

Interest rate per annum: 17.25% per annum

Time: 47 days

Interest:

I = Prt $\hat{L} = 614(0.1725)(47/365)$ $\hat{L} = 13.64$ Therefore the second of the second of

Minimum Payment:

22.13

22.24

23.03

23.37

23.49

23.60

23.71

23.83

43 09

43.87

44.32

44.43

44 55

44.66

85.61

85.95

86.07

86.18

86.30

5.00

29.19

29.97

30.31

30.54

30.65

17.97

18 08

18.87 18.99 19.10

19.22

19.33

19.45

19.57

19.68

Ben borrowed 8560.36 from the TD Bank at an annual rate of 5.75% with an amortization period of 3 years. Use you personal loan calculator to answer the questions.

a) What is the monthly payment?

	= 8.56036 x 30.31
	= a59·46

b) How much will he pay back in total?

c) What is the finance charge?

Calculate the interest, the balance due and minimum payments
on the following credit cards.
(5.00% or \$10.00, whichever is greater).

Unpaid balance: \$95.00

Interest rate per annum: 16.89% per annum

Time: 55 days

Interest:

Minimum Payment: