Year 9X Advanced Task

$$I = PRT$$
 $A = P(1+R)^n$ $A = P(1-R)^n$

PART 1 INTEREST (10 marks)

1. Find (to the nearest cent) the simple interest on \$1050 at 7½ % p.a. over 5 years.

- 2. Tracy invests \$8500 for 3 years at 12% per annum and interest is compounded annually.
 - (a) Find the total value of the investment.

2

(b) How much interest has she earned.

- 1
- 3. Holly invested \$4600 at a rate of 12% p.a. for 4 years compounded monthly. Find how much the investment is worth at the end of this period.
- 4. Rachel buys a car for \$20000. It depreciates for 5 years at 12% per annum. Find the value of the car after 2 years.

5. Explain in words why compound interest is a better form of interest for you to get, than simple interest.

Year 9X Advanced Task

$$I = PRT \qquad A = P(1+R)^n \qquad A = P(1-R)^n$$

1

2

PART 1 INTEREST (10 marks)

1. Find (to the nearest cent) the simple interest on \$1050 at 7½ % p.a. over 5 years.

1050× 0-075× 5

2. Tracy invests \$8500 for 3 years at 12% per annum and interest is compounded annually.

- 3. Holly invested \$4600 at a rate of 12% p.a. for 4 years compounded monthly. Find how much the investment is worth at the end of this period.

4600(1+0.12) 48 =\$7238-17 =\$1059797.57 ××

4. Rachel buys a car for \$20000. It depreciates for 5 years at 12% per annum. Find the value of the car after 2 years.

20000 (1-0.12)² A=\$15488.00c

5. Explain in words why compound interest is a better form of interest for you to get, than simple interest.

simple interest is a set amount that must be pard no matter what over the Period of time, but compound interest is Meedleman

Examiner: M Needleman 9/8/06

can be paid as soon as your