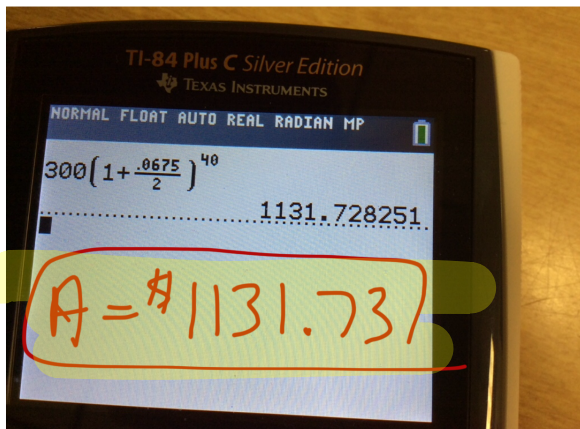10) Determine the final account balance of an investment if $300 is invested at an interest rate of 6.75% compounded semiannually for 20 years.

$$A = 300\left(1 + \frac{.0675}{2}\right)$$

NORMAL FLOAT AUTO REAL RADIAN MP

$300\left(1 + \frac{.0675}{2}\right)^{40}$

1131.728251

$A = \$1131.73$

5) Determine the amount of **interest** earned on a $100,000 investment if it is invested at 5.2% annual interest compounded quarterly for 12 years.

$100000\left(1 + \frac{.052}{4}\right)^{4*12}$

185888.8657

Interest
?

$ 185,888.8
− 100,000 ← princp
$ 85,888.87
Interest

4) Determine the amount of **interest** earned on a $2500 investment if it is invested at 5.25% annual interest compounded monthly for four years.

$$300\left(1+\frac{.0675}{2}\right)^{40}$$
$$1131.728251$$
$$100000\left(1+\frac{.052}{4}\right)^{4*12}$$
$$185888.8657$$
$$2500\left(1+\frac{.0525}{12}\right)^{12*4}$$
$$3082.78279$$

$$A = \overset{\$}{3,082.78}$$
$$-\ 2500$$

Intrest $582.78

1) A coin had a value of $1.17 in 1995. Its value has been increasing at 9% per year. What is the value after 5 years?

$$A =$$

$1.80

TI-84 Plus C Silver Edition
TEXAS INSTRUMENTS
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$$100000\left(1+\frac{.052}{4}\right)^{4*12}$$
$$185888.8657$$
$$2500\left(1+\frac{.0525}{12}\right)^{12*4}$$
$$3082.78279$$
$$1.17\left(1+\frac{.09}{1}\right)^{5}$$
$$1.800190027$$