6.5

① $1300(.069)(5) = I$

$89.70(5) = I$

$\$448.50 = I$

② $11500(.125)(5) = I$

$1437(5) = I$

$\$7187.50 = I$

③ $450(.03)(5) = I$

$13.50(5) = I$

$\$67.50 = I$

④ $2000(.04)\left(\frac{6}{12}\right) = I$

$80\left(\frac{1}{2}\right) = I$

$\$40 = I$

⑤ $10{,}000(.10)(2) = I$

$1000(2) = I$

$\$2000 = I$

⑥ $500(.03)\left(\frac{3}{12}\right) = I$

$15\left(\frac{1}{4}\right) = I$

$\$3.75 = I$

⑦ $25000(.0425)(5) = I$

$1062.50(5) = I$

$\$5312.50 = I$

⑧ Loan 1

$5000(.05)(5) =$

$25(5) =$

125

Loan 2

$6000(.04)(6) =$

$24(6) =$

144

Loan 1 costs less

⑨ Loan 1

$2000(.15)(3) =$

$300(3) =$

900

Loan 2

$2000(.10)(5) =$

$200(5) =$

1000

~~Loan 2~~ Loan 1 costs less.

⑩ Loan 1

$720(.08)2 =$

$57.60(2) =$

115.20

Loan 2

$720(.15)(1) =$

$108(1) =$

108

Loan 2 costs less.

⑪ New balance − OLD BALANCE = INTEREST

$6200 - 5000 =$ INTEREST

$1200 =$ Interest

$I = PRT$ $\quad 1200 = 5000(x)6$

$\frac{1200}{30000} = \frac{30000x}{30000}$

$.04 = x$

$4\% = x$

⑫ 1st BANK

$300(.045)3 =$

$13.50(3) =$

40.50

2nd Bank

$300(.068)(2) =$

$20.40(2) =$

40.80

2nd Bank earns more for me.