

WarmUp: Review Book

2/3

Review book p 24 #28
p 26 #32

Notes: Interest cont.

2/3

You get \$150 for your birthday. You decide to invest money in a bank account. Keybank will give you 1% per year, whereas ING will give you 4% per year. You plan to invest for three years. How much would you make in each?

Keybank

$$I = prt$$

$$I = (150)(1\%)(3)$$

$$I = \$4.50$$

$$150 + 4.50 = 154.50$$

ING

$$I = prt$$

$$I = (150)(4\%)(3)$$

$$I = 18$$

$$150 + 18 = 168$$

(From hw)

Find simple interest $\rightarrow I$

$$I = prt \leftarrow \text{in years}$$

$$I = (300)(7.5\%)(5)$$

$$I = \$112.50$$

#15 Find total amount
 \downarrow (add) \rightarrow original amount (amount invested)
 + interest

 total amount

$$I = prt$$

$$I = (800)(7.5\%)\left(\frac{8}{12}\right)$$

$$I = \$40$$

$$800 + 40 = \$840$$

Try This:

- 1) \$427 at 13.2% for 48 months
- 2) Find the total amount in an account with \$750 invested at 6.1% for 9 months

HW:

- Finish try this (2 problems)
- Do p355 # 11, 21