

Math test #2

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1.  $\$1500 \times e^{(0.0637) \times 4}$

$1500 \times 1.290203554$

1935.31

29.02 interest overall

2.

$$a = \left( \frac{7,500 - 13,000}{13,000} \right)$$

total return: -0.4230769231

$$b = \left( \frac{7,500}{13,000} \right)^{1/10} - 1$$

$$= 0.9465 - 1$$

$$= -0.0531$$

Annual return: 5.31%