44. Find the finance charge per $100 for the loan described below.

Loan, $3,000; finance charge, $990

The finance charge is $☐ per $100.
(Round to the nearest cent as needed.)

45. Luisa pays a finance charge of $172 on a 6-month, $4,500 loan. Find the annual percentage rate using the annual percentage rate table.

Click the icon to view the annual percentage rate table.

The annual percentage rate is ☐%.
(Round to the nearest integer as needed.)

Annual Percentage Rate Table

| | | | | **APR** | | | |
|---|---|---|---|---|---|---|---|
| | **10%** | **11%** | **12%** | **13%** | **14%** | **15%** | **16%** |
| **Number of Payments** | | | | **Finance Charge per $100** | | | |
| 6 | $2.94 | $3.23 | $3.53 | $3.83 | $4.12 | $4.42 | $4.72 |
| 12 | $5.50 | $6.06 | $6.62 | $7.18 | $7.74 | $8.31 | $8.88 |
| 24 | $10.75 | $11.86 | $12.98 | $14.10 | $15.23 | $16.37 | $17.51 |
| 36 | $16.16 | $17.86 | $19.57 | $21.30 | $23.04 | $24.80 | $26.57 |
| 48 | $21.74 | $24.06 | $26.40 | $28.77 | $31.17 | $33.59 | $36.03 |

46. Estimate the annual percentage rate for the add-on loan using the given number of payments and annual interest rate. Use the formula $APR \approx \frac{2nr}{n+1}$.

$n = 60$; $r = 7\%$

APR ≈ ☐%
(Round to two decimal places as needed.)