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5.

$$A = \$525 \times \left[\frac{1 + \frac{0.045}{4}}{0.045} \right]^{(4)(11)}$$

$$= 525 \times \frac{0.0360}{0.011}$$

$$= 30354.55$$

$$4 \times 525 = 23100 - 30354.55$$

$\boxed{\$7254.55 \text{ is interest}}$

6. $A = P \times (1 + APR)^y$

$$5000 = P \times (1 + 0.045)^{12(10)}$$

$$5000 = P \times (196.77)$$

$$\frac{5000}{196.77}$$

$$= \boxed{25.41}$$