

$$\begin{aligned} 1. \quad I &= Prt \\ I &= 5000(0.015)(1) \\ I &= \$250 \end{aligned}$$

$$\begin{aligned} 2. \quad I &= 7000(0.05)\left(\frac{3}{12}\right) \\ I &= \$87.50 \end{aligned}$$

$$\begin{aligned} 3. \quad I &= Prt \\ 75 &= P(0.05)(3) \\ \frac{75}{0.15} &= \frac{P \cdot 0.15}{0.15} \\ P &= \$500 \end{aligned}$$

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$$4. \quad I = Prt$$

$$I = 3800(0.025)(1)$$

$$I = \$95$$

$$5. \quad I = Prt$$

$$I = 10000(0.0275)(9/12)$$

$$I = 10000(0.0275)(0.75)$$

$$I = \$206.25$$

$$6. \quad I = Prt$$

$$125 = P(0.035)(5)$$

$$\frac{125}{0.175} = \frac{P \cdot 0.175}{0.175}$$

$$P = \$714.29$$

$$7. \quad I = Prt$$

$$125 = P(0.035)(4)$$

$$125 = P(0.0379166)$$

$$P = \$3296.71$$