$$
\begin{aligned}
& \text { 1.) } S 500=R \cdot \frac{1-\left(1+\frac{0.0625}{12}\right)^{-60}}{\frac{0.0625}{12}} \begin{array}{l}
12 * 5 \\
=60
\end{array} \\
& \frac{5500}{51.4158 \ldots}=\frac{R \cdot 514158 \ldots}{51.4158 \ldots} \\
& \begin{array}{r}
106.97 \\
*=\$ 106.97 \quad \begin{array}{r}
160 \\
\\
\$ 6418.20
\end{array} \\
\end{array}
\end{aligned}
$$

2.)

$$
\begin{aligned}
& \text { ) } A=150 \cdot \frac{1-\left(1+\frac{0.0575}{12}\right)^{-36}}{\frac{0.0575}{12}} \frac{3 * 12}{=36} \\
& A=150 \cdot \frac{0.1580949466}{\frac{0.0575}{12}} \\
& A=\$ 4949.06
\end{aligned}
$$

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$$
\begin{aligned}
& \$ 150,000 \\
& 150,000 * 0.2=\$ 30,000 \text { down payment } \\
& \$ 150000-30,000=8120,000 \text { loan } \\
& 120000=R \cdot \frac{1-\left(1+\frac{0.055}{12}\right)^{-360}}{\frac{0.055}{12}} \quad \begin{array}{l}
30 \times 12.360 \\
R=\$ 681.3 \Omega \\
681.35 * 360 \\
=\$ 2953 \sigma_{6}
\end{array}
\end{aligned}
$$

