



$$\begin{aligned}
 &6 = 3a + 2 \\
 \rightarrow &6 - 2 = 3 \times a + 2 - 2 \\
 \rightarrow &4 = a \times 3 \\
 \rightarrow &\frac{4}{3} = \frac{a \times 3}{3} \\
 \rightarrow &\frac{4}{3} = a \\
 \rightarrow &a = \frac{4}{3}
 \end{aligned}$$