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Question 1.

$$\begin{aligned}\text{Profit per Trail Mix } A &= 7 - 1 \times (\text{cost of dried fruit}) \\ &\quad - 1.5 \times (\text{cost of nuts}) \\ &\quad - (\text{cost of tin can}) \\ &= 7 - 1(1) - 1.5(2) - 1.4 \\ &= 1.6\end{aligned}$$

$$\begin{aligned}\text{Profit per Trail Mix } B &= 6 - 2 \times (\text{cost of dried fruit}) \\ &\quad - 1 \times (\text{cost of nuts}) \\ &\quad - (\text{cost of resealable bag}) \\ &= 6 - 2(1) - 1(2) - 0.6 \\ &= 1.4\end{aligned}$$

Question 3.