

Homework 15

Ex. Section 7.4

$$\begin{aligned} \text{Ex. 8. } S &= \frac{1}{6} \times 1 + \frac{1}{6} \times 2 + \frac{1}{6} \times 3 + \frac{1}{6} \times 4 + \frac{1}{6} \times 5 + \frac{1}{6} \times 6 \\ &= \frac{7}{2} \end{aligned}$$

$$\begin{aligned} \text{Ex. 28. Variance} &= 10 \times \frac{1}{6} \times \frac{5}{6} \\ &= \frac{25}{18} \end{aligned}$$