

$$19 \quad \frac{2 + \sqrt{28}}{6} = \frac{2 + \sqrt{4 \times 7}}{6} = \frac{2 + \sqrt{4} \times \sqrt{7}}{6} = \frac{2 + 2\sqrt{7}}{6} = \frac{2 \times (1 + \sqrt{7})}{2 \times 3} = \frac{1 + \sqrt{7}}{3}.$$