

#1 h)

$$\begin{aligned}(\sqrt{3}-5)^2 &= (\sqrt{3}-5)(\sqrt{3}-5) \\ &= \sqrt{3} \cdot \sqrt{3} - 5\sqrt{3} - 5\sqrt{3} + 25 \\ &= \sqrt{9} - 10\sqrt{3} + 25 \\ &= 3 - 10\sqrt{3} + 25 \\ &= \boxed{-10\sqrt{3} + 28}\end{aligned}$$