

(a) $\sqrt{3} \cdot \sqrt{27} = \sqrt{3 \cdot 27} = \sqrt{81} = 9$

(b) $\sqrt{1440} = \sqrt{144 \cdot 10} = \sqrt{144} \cdot \sqrt{10} = 12 \cdot \sqrt{10}$

(c) $\sqrt{75} : \sqrt{3} = \sqrt{75 : 3} = \sqrt{25} = 5$