Multiplying Square Roots

Multiply the square roots. Always simplify your answer when working with square roots.

1. $\sqrt{3} ∙ \sqrt{48}$
2. $\sqrt{12} ∙ \sqrt{4}$
3. $\sqrt{20} ∙ \sqrt{5}$
4. $\sqrt{8} ∙ \sqrt{100}$
5. $\sqrt{15} ∙ \sqrt{125}$
6. $\sqrt{6} ∙ \sqrt{8}$
7. $4\sqrt{6} ∙ 3\sqrt{8}$
8. $2\sqrt{3} ∙ 4\sqrt{27}$
9. $2\sqrt{3} ∙ 2\sqrt{12}$
10. $4\sqrt{6} ∙ 4\sqrt{27}$
11. $3\sqrt{20} ∙ 4\sqrt{16}$
12. $3\sqrt{20} ∙ 3\sqrt{36}$