

AA PREP: OPERATIONS WITH RADICALS (MULTIPLYING)—WORKSHEET #1

Perform the operation. Simplify.

1) $\sqrt{2} \cdot \sqrt{2}$	2) $\sqrt{13} \cdot \sqrt{13}$
3) $\sqrt{18}\sqrt{6}$	4) $\sqrt{30}\sqrt{40}$
5) $4\sqrt{22} \cdot \sqrt{33}$	6) $-2\sqrt{45} \cdot 6\sqrt{10}$
7) $(3\sqrt{2})^2$	8) $(5\sqrt{6})^2$
9) $\sqrt{5}(10 - \sqrt{6} + 2\sqrt{20})$	10) $(2 - \sqrt{3})(2 + \sqrt{3})$