

AA PREP: OPERATIONS WITH RADICALS (MULTIPLYING)—WORKSHEET #2

Perform the operation. Simplify.

|   |                                    |
|---|------------------------------------|
| 1) $\sqrt{3} \cdot \sqrt{3}$              | 2) $\sqrt{6} \cdot \sqrt{6}$       |
| 3) $\sqrt{50} \sqrt{10}$                  | 4) $\sqrt{24} \sqrt{12}$           |
| 5) $-\sqrt{14} \cdot 2\sqrt{21}$          | 6) $3\sqrt{52} \cdot 5\sqrt{26}$   |
| 7) $(6\sqrt{2})^2$                        | 8) $(4\sqrt{3})^2$                 |
| 9) $\sqrt{2}(10 + \sqrt{20} - 3\sqrt{8})$ | 10) $(4 + \sqrt{5})(4 - \sqrt{5})$ |