

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 14E.1 – Simplifying Radicals with Conjugates

#1-8, Simplify each radical expression.

1. $(4 - 2\sqrt{3})^2$

2. $(4 - 2\sqrt{3})(4 + 2\sqrt{3})$

3. $\frac{2}{\sqrt{5}}$

4. $\frac{2}{1 + \sqrt{5}}$

5. $\frac{4}{2\sqrt{3} - 2}$

6. $\frac{7 - 3\sqrt{6}}{\sqrt{5} - \sqrt{6}}$

7. $\frac{3 + \sqrt{8}}{2 - 2\sqrt{8}}$

8. $\frac{2 + \sqrt{10}}{\sqrt{2} - 3\sqrt{5}}$