

Adding and Subtracting Radical Expressions

$$2\sqrt{7} + 3\sqrt{7}$$

$$13\sqrt{2} - \sqrt{2}$$

1. Simplify each radical expression.

a) $4\sqrt{24} + 5\sqrt{6}$

b) $-6\sqrt{32} - \sqrt{50} + 3\sqrt{98}$

c) $-3\sqrt{96x^4} + 3\sqrt{120} - 2x\sqrt{54x^2}$

d) $\sqrt{20x^2y^3} - xy\sqrt{28y}$