

## Solving Radical Equations

$$12) r = \sqrt{8r}$$

$$14) r = \sqrt{-1 - 2r}$$

$$16) x = \sqrt{110 - x}$$

$$18) x = \sqrt{40 - 3x}$$

$$20) x = \sqrt{-70 + 17x}$$

$$24) x - 5 = \sqrt{x + 1}$$

## Adding and Subtracting Radical Expressions

$$10) 2\sqrt{6} + 3\sqrt{54}$$

$$13) 3\sqrt{8} + 3\sqrt{2}$$

$$14) -3\sqrt{6} + 3\sqrt{6}$$

$$15) -3\sqrt{20} - \sqrt{5}$$

$$16) 2\sqrt{45} - 2\sqrt{5}$$

$$23) -2\sqrt{20} + 2\sqrt{18} - 2\sqrt{5}$$

## Dividing Radical Expressions

$$2) \frac{\sqrt{8}}{\sqrt{100}}$$

$$4) \frac{3\sqrt{20}}{2\sqrt{4}}$$

$$6) \frac{\sqrt{4}}{5\sqrt{3}}$$

$$9) \frac{\sqrt{3x^2y^3}}{4\sqrt{5xy^3}}$$

$$11) \frac{3 - 3\sqrt{3a}}{4\sqrt{8a}}$$

$$15) \frac{3}{4 + 4\sqrt{5}}$$