

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \frac{1}{1 + \sqrt{5}}$$

$$5) \frac{\sqrt{22h^2}}{\sqrt{99h}}$$

$$2) \frac{3 - 5\sqrt{2}}{2 + \sqrt{11}}$$

$$6) \frac{2\sqrt{2}}{4\sqrt{3}}$$

$$3) \frac{\sqrt{14}}{\sqrt{63}}$$

$$7) \frac{1 - \sqrt{5n}}{\sqrt{3n}}$$

$$4) \frac{5\sqrt{3g^4q^4}}{6\sqrt{7g^5q^4}}$$

$$8) \frac{4 - 3\sqrt{7}}{2 + 7\sqrt{3}}$$



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Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \frac{1}{1 + \sqrt{5}}$$

$$\frac{1 - \sqrt{5}}{-4}$$

$$2) \frac{3 - 5\sqrt{2}}{2 + \sqrt{11}}$$

$$\frac{6 - 3\sqrt{11} - 10\sqrt{2} + 5\sqrt{22}}{-7}$$

$$3) \frac{\sqrt{14}}{\sqrt{63}}$$

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

$$4) \frac{5\sqrt{3g^4q^4}}{6\sqrt{7g^5q^4}}$$

$$\frac{5\sqrt{21g}}{42g}$$

$$5) \frac{\sqrt{22h^2}}{\sqrt{99h}}$$

$$\frac{\sqrt{2h}}{3}$$

$$6) \frac{2\sqrt{2}}{4\sqrt{3}}$$

$$\frac{\sqrt{6}}{6}$$

$$7) \frac{1 - \sqrt{5n}}{\sqrt{3n}}$$

$$\frac{\sqrt{3n} - n\sqrt{15}}{3n}$$

$$8) \frac{4 - 3\sqrt{7}}{2 + 7\sqrt{3}}$$

$$\frac{8 - 28\sqrt{3} - 6\sqrt{7} + 21\sqrt{21}}{-143}$$

