

Name : _____ Score : _____

Teacher : _____ Date : _____

Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \frac{1}{1 + \sqrt{7}}$$

$$5) \frac{\sqrt{7h^2p^2}}{2\sqrt{5h^3p^2}}$$

$$2) \frac{3\sqrt{35c^2}}{7\sqrt{20c}}$$

$$6) \frac{\sqrt{11}}{\sqrt{2}}$$

$$3) \frac{\sqrt{6}}{\sqrt{12}}$$

$$7) \frac{3 - 4\sqrt{11}}{3 + 5\sqrt{2}}$$

$$4) \frac{6 + 2\sqrt{7}}{4 - 4\sqrt{11}}$$

$$8) \frac{6 + 4\sqrt{2p}}{2\sqrt{11p}}$$

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Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \frac{1}{1 + \sqrt{7}}$$

$$\frac{1 - \sqrt{7}}{-6}$$

$$2) \frac{3\sqrt{35c^2}}{7\sqrt{20c}}$$

$$\frac{3\sqrt{7c}}{14}$$

$$3) \frac{\sqrt{6}}{\sqrt{12}}$$

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

$$4) \frac{6 + 2\sqrt{7}}{4 - 4\sqrt{11}}$$

$$\frac{3 + 3\sqrt{11} + \sqrt{7} + \sqrt{77}}{-20}$$

$$5) \frac{\sqrt{7h^2p^2}}{2\sqrt{5h^3p^2}}$$

$$\frac{\sqrt{35h}}{10h}$$

$$6) \frac{\sqrt{11}}{\sqrt{2}}$$

$$\frac{\sqrt{22}}{2}$$

$$7) \frac{3 - 4\sqrt{11}}{3 + 5\sqrt{2}}$$

$$\frac{9 - 15\sqrt{2} - 12\sqrt{11} + 20\sqrt{22}}{-41}$$

$$8) \frac{6 + 4\sqrt{2p}}{2\sqrt{11p}}$$

$$\frac{3\sqrt{11p} + 2p\sqrt{22}}{11p}$$