

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \frac{6\sqrt{55}}{7\sqrt{80}}$$

$$5) \frac{7 + 4\sqrt{7}}{1 - 2\sqrt{5}}$$

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

$$6) \frac{6\sqrt{21k^2}}{2\sqrt{28k}}$$

$$3) \frac{1 + \sqrt{5d}}{\sqrt{7d}}$$

$$7) \frac{6 + 6\sqrt{7}}{5 + 4\sqrt{3}}$$

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

$$8) \frac{\sqrt{3}}{\sqrt{7}}$$



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Dividing Radical Expressions

Simplify the Radical Expressions.

$$1) \frac{6\sqrt{55}}{7\sqrt{80}}$$

$$\frac{3\sqrt{11}}{14}$$

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

$$\frac{21 - 12\sqrt{11}}{-127}$$

$$3) \frac{1 + \sqrt{5d}}{\sqrt{7d}}$$

$$\frac{\sqrt{7d} + d\sqrt{35}}{7d}$$

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

$$\frac{\sqrt{35g}}{5g}$$

$$5) \frac{7 + 4\sqrt{7}}{1 - 2\sqrt{5}}$$

$$\frac{7 + 14\sqrt{5} + 4\sqrt{7} + 8\sqrt{35}}{-19}$$

$$6) \frac{6\sqrt{21k^2}}{2\sqrt{28k}}$$

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

$$7) \frac{6 + 6\sqrt{7}}{5 + 4\sqrt{3}}$$

$$\frac{30 - 24\sqrt{3} + 30\sqrt{7} - 24\sqrt{21}}{-23}$$

$$8) \frac{\sqrt{3}}{\sqrt{7}}$$

$$\frac{\sqrt{21}}{7}$$

