

Divide Radical Expressions

Simplify the radical expressions.

$$\frac{6 + \sqrt{7c}}{4\sqrt{3c}}$$

$$\frac{4 + \sqrt{7p}}{7\sqrt{11p}}$$

$$\frac{7 - \sqrt{7k}}{6\sqrt{2k}}$$

$$\frac{2 + 7\sqrt{7c}}{4\sqrt{3c}}$$

$$\frac{1 + \sqrt{2n}}{\sqrt{7n}}$$

$$\frac{1 - \sqrt{2p}}{\sqrt{7p}}$$

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Simplify the radical expressions.

$$\frac{6 + \sqrt{7c}}{4\sqrt{3c}}$$
$$= \frac{6\sqrt{3c} + c\sqrt{21}}{12c}$$

$$\frac{4 + \sqrt{7p}}{7\sqrt{11p}}$$
$$= \frac{4\sqrt{11p} + p\sqrt{11}}{77p}$$

$$\frac{7 - \sqrt{7k}}{6\sqrt{2k}}$$
$$= \frac{7\sqrt{2k} - k\sqrt{14}}{12k}$$

$$\frac{2 + 7\sqrt{7c}}{4\sqrt{3c}}$$
$$= \frac{2\sqrt{3c} + 7c\sqrt{21}}{12c}$$

$$\frac{1 + \sqrt{2n}}{\sqrt{7n}}$$
$$= \frac{\sqrt{7n} + n\sqrt{14}}{7n}$$

$$\frac{1 - \sqrt{2p}}{\sqrt{7p}}$$
$$= \frac{\sqrt{7p} - p\sqrt{14}}{7p}$$