Name _____
Date _____ Period _____

Quotient Property for Square Roots

For every number $m \geq 0$ and $n > 0$,

$$\sqrt{\frac{m}{n}} = \frac{\sqrt{m}}{\sqrt{n}}$$

$$\sqrt{\frac{3}{5}} = \frac{\sqrt{3}}{\sqrt{5}} \qquad \frac{\sqrt{3}}{\sqrt{5}} = \sqrt{\frac{3}{5}}$$

Divide the following radical expressions

$$\frac{\sqrt{32}}{\sqrt{2}} \qquad \frac{\sqrt{48}}{\sqrt{4}}$$

$$\frac{\sqrt{27}}{\sqrt{3}} \qquad \frac{\sqrt{54}}{\sqrt{3}}$$

Divide the following radical expressions

$$\frac{\sqrt{8x^3y^2}}{\sqrt{2x}}$$

$$\frac{\sqrt{12a^4b^3}}{\sqrt{4ab}}$$

Divide the following radical expressions

$$\sqrt{\frac{25}{4}}$$

$$\sqrt{\frac{27}{25}}$$

$$\sqrt{\frac{8}{9}}$$

$$\sqrt{\frac{72}{64}}$$

Divide the following radical expressions

$$\sqrt{\frac{12x^3y^2}{16a^2}}$$

$$\sqrt{\frac{24n^4s^5}{25m^4}}$$

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