

To rationalize a denomintor means to remove any irrational number from the denominator.

Rationalize each denominator

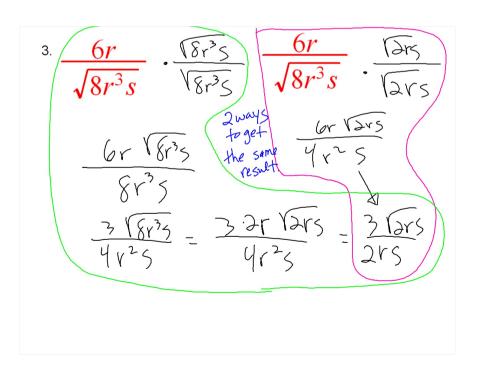
1.
$$\frac{2}{\sqrt{11}} \cdot \sqrt{12} = \frac{10}{\sqrt{12}} \cdot \sqrt{3} = \frac{10\sqrt{3}}{\sqrt{3}} = \frac{10\sqrt{3}}{\sqrt{3}} = \frac{10\sqrt{3}}{\sqrt{3}} = \frac{5\sqrt{3}}{3} = \frac{10\sqrt{3}}{\sqrt{3}} = \frac{1$$

#'s that can be written as a ratio

Terminating or Repeating decimals

2.
$$\sqrt{25}$$
 Rational

3.
$$\sqrt{3}$$



$$\frac{\sqrt{13c^2d^3}}{\sqrt{2c^5d}} \quad \sqrt{2cd} = \frac{\sqrt{2c^3d^4}}{2c^3d}$$

$$= \frac{\sqrt{2c^5d}}{2c^3d}$$

$$= \frac{\sqrt{2c^5d}}{2c^3d}$$

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$$\frac{2}{3\sqrt{5^{3}\omega^{2}z^{2}}} = \frac{2\sqrt{5^{3}\omega^{2}z^{2}}}{\sqrt{5^{3}\omega^{2}z^{2}}} = \frac{2\sqrt{3}\sqrt{5\omega^{2}z^{2}}}{\sqrt{5^{3}\omega^{2}z^{2}}} = \frac{2\sqrt{3}\sqrt{5\omega^{2}z^{2}}}{\sqrt{5^{3}\omega^{2}z^{2}}}$$

5.
$$\sqrt{\frac{7}{3a^2}}$$
 $\sqrt[3]{9a}$ = $\sqrt[3]{63a}$ $\sqrt[3]{63a}$ $\sqrt[3]{63a}$ $\sqrt[3]{63a}$ $\sqrt[3]{63a}$ $\sqrt[3]{63a}$ $\sqrt[3]{63a}$