

Name: _____

Date: _____

Dividing Radicals



$$\frac{\sqrt[3]{10}}{\sqrt[3]{32}}$$
$$\frac{\sqrt[3]{20}}{4}$$

$$\frac{\sqrt[3]{10}}{\sqrt[3]{625}}$$
$$\frac{\sqrt[3]{2}}{5}$$

$$\frac{2}{3 - \sqrt{3x^2}}$$
$$\frac{6 + 2x\sqrt{3}}{9 - 3x^2}$$

$$\frac{4 + 3\sqrt{2}}{-3 - \sqrt{5}}$$
$$\frac{-12 + 4\sqrt{5} - 9\sqrt{2} + 3\sqrt{10}}{4}$$

$$\frac{\sqrt[4]{5}}{4\sqrt[4]{27}}$$
$$\frac{\sqrt[4]{15}}{12}$$

$$\frac{3 - \sqrt[4]{5k^2}}{\sqrt[4]{3k^3}}$$
$$\frac{3\sqrt[4]{27k} - \sqrt[4]{135k^3}}{3k}$$

$$\frac{-5 + 5\sqrt[4]{5}}{3\sqrt[4]{6}}$$
$$\frac{-5\sqrt[4]{216} + 5\sqrt[4]{1080}}{18}$$

$$\frac{3 + \sqrt[3]{3}}{\sqrt[3]{9}}$$
$$\frac{3\sqrt[3]{3} + \sqrt[3]{9}}{3}$$