

Name: _____

Rationalize the Denominator

L1S1

Rationalize each denominator.

1) $\frac{11}{\sqrt{5}}$

2) $\frac{3}{2\sqrt[3]{16}}$

3) $\frac{7}{2\sqrt{2}}$

4) $\frac{2}{\sqrt[3]{9}}$

5) $\frac{16}{\sqrt[3]{36}}$

6) $\frac{\sqrt{2}}{3\sqrt{3}}$

7) $\frac{4}{\sqrt{13}}$

8) $\frac{3}{\sqrt[3]{49}}$

9) $\frac{6}{\sqrt[3]{4}}$

10) $\frac{9}{\sqrt{15}}$

Rationalize the Denominator

Rationalize each denominator.

1) $\frac{11}{\sqrt{5}}$

$$\frac{11\sqrt{5}}{5}$$

2) $\frac{3}{2\sqrt[3]{16}}$

$$\frac{3\sqrt[3]{4}}{8}$$

3) $\frac{7}{2\sqrt{2}}$

$$\frac{7\sqrt{2}}{4}$$

4) $\frac{2}{\sqrt[3]{9}}$

$$\frac{2\sqrt[3]{3}}{3}$$

5) $\frac{16}{\sqrt[3]{36}}$

$$\frac{8\sqrt[3]{6}}{3}$$

6) $\frac{\sqrt{2}}{3\sqrt{3}}$

$$\frac{\sqrt{6}}{9}$$

7) $\frac{4}{\sqrt{13}}$

$$\frac{4\sqrt{13}}{13}$$

8) $\frac{3}{\sqrt[3]{49}}$

$$\frac{3\sqrt[3]{7}}{7}$$

9) $\frac{6}{\sqrt[3]{4}}$

$$3\sqrt[3]{2}$$

10) $\frac{9}{\sqrt{15}}$

$$\frac{3\sqrt{15}}{5}$$