

Radicals - Dividing

Date _____ Period _____

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Simplify.

1) $\frac{\sqrt{20}}{\sqrt{36}}$

2) $\frac{\sqrt{3}}{\sqrt{4}}$

3) $\frac{\sqrt{3}}{2\sqrt{48}}$

4) $\frac{\sqrt{15}}{3\sqrt{4}}$

5) $\frac{4 - \sqrt{2}}{4\sqrt{20}}$

6) $\frac{4 + \sqrt{5}}{\sqrt{14}}$

7) $\frac{-4 + \sqrt{2}}{\sqrt{7}}$

8) $\frac{3 - 5\sqrt{3}}{\sqrt{11}}$

9) $\frac{4}{2\sqrt{3} + \sqrt{2}}$

10) $\frac{4}{4 + \sqrt{2}}$

11) $\frac{2}{4 - 4\sqrt{2}}$

12) $\frac{2}{3\sqrt{5} - \sqrt{3}}$

13) $\frac{3 + \sqrt{5}}{\sqrt{3} - \sqrt{5}}$

14) $\frac{5 - 2\sqrt{5}}{3\sqrt{2} + \sqrt{3}}$

Answers to Radicals - Dividing (ID: 1)

$$1) \frac{\sqrt{5}}{3}$$

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

$$3) \frac{1}{8}$$

$$4) \frac{\sqrt{15}}{6}$$

$$5) \frac{4\sqrt{5} - \sqrt{10}}{40}$$

$$6) \frac{4\sqrt{14} + \sqrt{70}}{14}$$

$$7) \frac{-4\sqrt{7} + \sqrt{14}}{7}$$

$$8) \frac{3\sqrt{11} - 5\sqrt{33}}{11}$$

$$9) \frac{4\sqrt{3} - 2\sqrt{2}}{5}$$

$$10) \frac{8 - 2\sqrt{2}}{7}$$

$$11) \frac{-1 - \sqrt{2}}{2}$$

$$12) \frac{3\sqrt{5} + \sqrt{3}}{21}$$

$$13) \frac{-3\sqrt{3} - 3\sqrt{5} - \sqrt{15} - 5}{2}$$

$$14) \frac{15\sqrt{2} - 5\sqrt{3} - 6\sqrt{10} + 2\sqrt{15}}{15}$$