

12.2 Homework - Divide

Date _____ Period _____

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Simplify.

1) $\frac{\sqrt{7}}{3\sqrt{8}}$

2) $\frac{7\sqrt{8}}{10\sqrt{6}}$

3) $\frac{8\sqrt{2}}{\sqrt{6}}$

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

5) $\frac{7\sqrt{8}}{\sqrt{5}}$

6) $\frac{2\sqrt{9}}{\sqrt{6}}$

7) $\frac{6\sqrt{27}}{3\sqrt{15}}$

8) $\frac{\sqrt{3}}{\sqrt{10}}$

9) $\frac{5\sqrt{2}}{\sqrt{5}}$

10) $\frac{6\sqrt{3}}{10\sqrt{2}}$

11) $\frac{\sqrt{27r^4}}{\sqrt{45r^2}}$

12) $\frac{3\sqrt{7a^3}}{7\sqrt{3a^2}}$

13) $\frac{2v}{7\sqrt{6v}}$

14) $\frac{\sqrt{4x^2y}}{\sqrt{6x^4y}}$

15) $\frac{6}{\sqrt{6n^3}}$

16) $\frac{\sqrt{12b}}{2\sqrt{28b^2}}$

17) $\frac{\sqrt{3x^3}}{\sqrt{8x}}$

18) $\frac{\sqrt{8n^3}}{8\sqrt{3n}}$

$$19) \frac{2\sqrt{50x}}{10\sqrt{30x^4}}$$

$$20) \frac{\sqrt{7p^2}}{\sqrt{2p^2}}$$

Answers to 12.2 Homework - Divide (ID: 1)

$$1) \frac{\sqrt{14}}{12}$$

$$5) \frac{14\sqrt{10}}{5}$$

$$9) \sqrt{10}$$

$$13) \frac{\sqrt{6v}}{21}$$

$$17) \frac{x\sqrt{6}}{4}$$

$$2) \frac{7\sqrt{3}}{15}$$

$$6) \sqrt{6}$$

$$10) \frac{3\sqrt{6}}{10}$$

$$14) \frac{\sqrt{6}}{3x}$$

$$18) \frac{n\sqrt{6}}{12}$$

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

$$7) \frac{6\sqrt{5}}{5}$$

$$11) \frac{r\sqrt{15}}{5}$$

$$15) \frac{\sqrt{6n}}{n^2}$$

$$19) \frac{\sqrt{15x}}{15x^2}$$

$$4) \frac{3\sqrt{5}}{25}$$

$$8) \frac{\sqrt{30}}{10}$$

$$12) \frac{\sqrt{21a}}{7}$$

$$16) \frac{\sqrt{21b}}{14b}$$

$$20) \frac{\sqrt{14}}{2}$$