

Simplify.

1) $4\sqrt{12x^2y^2}$

2) $-2\sqrt{32x^2y^2}$

3) $-4\sqrt{64m^2n^2}$

4) $5\sqrt{12} \cdot -2\sqrt{3}$

5) $\sqrt{10} \cdot 4\sqrt{6}$

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

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

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

9) $\frac{\sqrt{7}}{\sqrt{14}}$

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

$$11) \frac{\sqrt{21}}{\sqrt{15}}$$

$$12) \frac{\sqrt{25}}{\sqrt{10}}$$

$$13) \frac{\sqrt{3}}{\sqrt{6}}$$

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

$$15) \frac{7\sqrt{7}}{3\sqrt{5}}$$

$$16) \frac{7\sqrt{6}}{6\sqrt{42}}$$

$$17) \frac{4\sqrt{3}}{5\sqrt{2}}$$

$$18) \frac{5\sqrt{7}}{2\sqrt{35}}$$

$$19) \frac{3\sqrt{28}}{7\sqrt{24}}$$

$$20) \frac{5\sqrt{3}}{5\sqrt{5}}$$

$$21) \frac{4\sqrt{4}}{7\sqrt{5}}$$

$$22) \frac{4\sqrt{2}}{6\sqrt{5}}$$

$$23) \frac{\sqrt{8}}{\sqrt{7}}$$

$$24) \frac{7}{8\sqrt{7}}$$

$$25) \frac{\sqrt{2}}{\sqrt{6}}$$

$$26) \frac{\sqrt{21}}{\sqrt{15}}$$

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

$$28) \frac{\sqrt{5}}{\sqrt{3}}$$

$$29) \frac{\sqrt{15}}{3\sqrt{6}}$$

$$30) \frac{\sqrt{8}}{2\sqrt{7}}$$

$$31) \frac{\sqrt{14}}{3\sqrt{35}}$$

$$32) \frac{2\sqrt{4}}{8\sqrt{3}}$$