

Nom: _____
Curs: _____

Cognom: _____
Data: _____

**Exercicis de Racionalització.
Simplifica al màxim.**

1. $\frac{7}{\sqrt{21}}$
2. $\sqrt{\frac{3}{2}}$
3. $\sqrt{\frac{5}{3}}$
4. $\frac{8,4}{\sqrt{8,4}}$
5. $\frac{5}{\sqrt[3]{25}}$
6. $\frac{6}{\sqrt[4]{8}}$
7. $\frac{2ab}{\sqrt{4ab^2}}$
8. $\frac{2}{2+\sqrt{2}}$
9. $\frac{7}{\sqrt{2}+\sqrt{3}}$
10. $\frac{4}{\sqrt{2}-2}$
11. $\frac{\sqrt{3}-2}{\sqrt{3}+2}$
12. $\frac{-4}{\sqrt{3}+\sqrt{5}}$
13. $\frac{\sqrt{2}-\sqrt{3}}{\sqrt{2}+\sqrt{3}}$
14. $\frac{\sqrt{6}}{\sqrt{2}\cdot(\sqrt{3}-\sqrt{5})}$

Exercicis ampliació

1. $\frac{x^2-1}{\sqrt{x-1}\cdot\sqrt{x+1}}$
2. $\frac{x}{\sqrt[5]{x^2}}$
3. $\frac{x^2-1}{\sqrt[3]{(x-1)^2}\cdot\sqrt{x+1}}$
4. $\frac{125}{\sqrt[3]{5}\cdot(\sqrt{3}-\sqrt{2})}$
5. $\frac{3\sqrt{5}+4\sqrt{2}}{\sqrt{5}+\sqrt{2}}$
6. $\frac{2\sqrt{3}+\sqrt{7}}{3\sqrt{7}}$
7. $\frac{5-2\sqrt{2}}{5-3\sqrt{2}}$