

Racionalitza el denominador de les fraccions següents, i simplifica si s'escau:

1. $\frac{6}{\sqrt{2}} =$ _____

2. $\frac{\sqrt{3}}{\sqrt{8}} =$ _____

3. $\sqrt{\frac{2}{29}} =$ _____

4. $\frac{18\sqrt{12}}{11\sqrt{6}} =$ _____

5. $\frac{9\sqrt{6}}{4\sqrt{3}} =$ _____

6. $\frac{8}{\sqrt[5]{12^2}} =$ _____

7. $\frac{\sqrt[12]{7^7}}{\sqrt[6]{7}} =$ _____

8. $\frac{12\sqrt[6]{5}}{7\sqrt[3]{12}} =$ _____

9. $\frac{30}{4 + \sqrt{6}} =$ _____

10. $\frac{10}{\sqrt{2} - \sqrt{7}} =$ _____

11. $\frac{\sqrt{2} + \sqrt{11}}{\sqrt{2} - \sqrt{5}} =$ _____

12. $\frac{3\sqrt{2} - 2\sqrt{5}}{3\sqrt{3} + 3\sqrt{7}} =$ _____