



APELLIDO Y NOMBRE:		FECHA:	
CURSO:	Paralelo		
PROFESOR:			
TEMA:	RACIONALIZACIÓN		



1. ENCUENTRA EL FACTOR RACIONALIZANTE DE CADA EXPRESIÓN

$\sqrt{5}$ factor racionalizante

$\sqrt[7]{m^2}$ factor racionalizante

$\sqrt{a} - \sqrt{b}$ factor racionalizante

$\sqrt{3} - \pi$ factor racionalizante

$$\sqrt{5^2}$$

$$\sqrt[7]{m^2}$$

$$\sqrt{5}$$

$$\sqrt[7]{m^5}$$

$$\sqrt{a} - \sqrt{b}$$

$$\sqrt{3} + \pi$$

$$\sqrt{a} + \sqrt{b}$$

$$\sqrt{3} - \pi$$

2. SELECCIONA EL FACTOR RACIONALIZANTE:

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

$$\frac{\sqrt{3}}{\sqrt{3}}$$

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

$$\frac{-\sqrt{3}}{-\sqrt{3}}$$

$$\frac{2}{\sqrt{8} - \sqrt{3}}$$

$$\frac{2}{\sqrt{8} + \sqrt{3}}$$

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

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

$$\frac{1}{\sqrt[7]{3^2}}$$

$$\frac{\sqrt[7]{3^7}}{\sqrt[7]{3^7}}$$

$$\frac{1}{\sqrt[7]{3^7}}$$

$$\frac{\sqrt[7]{3^5}}{\sqrt[7]{3^5}}$$

$$\frac{\sqrt{7}}{\sqrt[5]{7^3}}$$

$$\frac{\sqrt[5]{7^2}}{\sqrt[5]{7^2}}$$

$$\frac{\sqrt[3]{3^3}}{\sqrt[3]{3^3}}$$

$$\frac{\sqrt[5]{3^5}}{\sqrt[5]{3^5}}$$

$$\frac{6}{\pi + \sqrt{10}}$$

$$\frac{\pi - \sqrt{10}}{\pi - \sqrt{10}}$$

$$\frac{6}{\pi - \sqrt{10}}$$

$$\frac{\pi + \sqrt{10}}{\pi - \sqrt{10}}$$

3. RACIONALIZA LAS SIGUIENTES EXPRESIONES:

$$\frac{4}{2 - \sqrt{8}}$$

$$\frac{4}{2 - \sqrt{8}} \times \frac{\boxed{}\boxed{}\sqrt{\boxed{}}}{\boxed{}\boxed{}\sqrt{\boxed{}}} = \frac{\boxed{}(\boxed{}\boxed{}\sqrt{\boxed{}})}{\boxed{}\boxed{}\boxed{}\sqrt{\boxed{}}}$$



$$= \frac{\boxed{}(\boxed{}\boxed{}\sqrt{\boxed{}})}{\boxed{}\boxed{}\boxed{}}$$

$$= \frac{\boxed{}(\boxed{}\boxed{}\sqrt{\boxed{}})}{\boxed{}\boxed{}}$$

$$= \boxed{}\boxed{}\boxed{}\sqrt{\boxed{}}$$

$$\frac{\sqrt{5}}{\sqrt{2} - \sqrt{5}}$$

$$= \frac{\sqrt{5}}{\sqrt{2} + \sqrt{5}} \times \frac{\sqrt{\square} \square \sqrt{\square}}{\sqrt{\square} \square \sqrt{\square}}$$

$$= \frac{\sqrt{\square} (\sqrt{\square} \square \sqrt{\square})}{\square \square \square}$$

$$= \frac{\sqrt{\square} \square \sqrt{\square}}{\square \square}$$

$$= \frac{\sqrt{\square} \square \square}{\square \square}$$

