Semplifica le seguenti espressioni.

717
$$\sqrt[4]{(-2)^4}$$
; $\sqrt[5]{(-2)^5}$

[2; -2]
$$\sqrt{(2\pi-7)^2}$$

$$[7 - 2\pi]$$

718
$$\sqrt[3]{(-5)^3}$$
; $\sqrt[6]{(-2)^6}$

[-5; 2]
$$\sqrt{(4-\pi)^2}$$

$$[4-\pi]$$

719
$$\sqrt[6]{(-3)^6} + \sqrt[7]{(-5)^7}$$

[-2]
$$\sqrt{25(3-\sqrt{11})^2}$$

$$[5(\sqrt{11}-3)]$$

720
$$\sqrt{(-5)^2} + \sqrt[3]{(-3)^3}$$

[2]
$$\sqrt{9(\sqrt{15}-3)^2}$$

$$[3(\sqrt{15}-3)]$$

$$\sqrt[4]{(-2)^4} = |-2| = 2$$

$$\sqrt[5]{(-2)^5} = -2$$

717

$$|2\pi - 7| = -(2\pi - 7) = 7 - 2\pi$$

721]
$$\sqrt{(2\pi^{-7})^2} = |2\pi^{-7}| = -(2\pi^{-7}) = 7 - 2\pi$$

puché $2\pi^{-7} < 0$
 $|x| = \begin{cases} x & xe & x \ge 0 \\ -x & xe & x < 0 \end{cases}$

$$724 \sqrt{9(\sqrt{15}-3)^2}$$

$$724$$
 $\sqrt{9(\sqrt{15}-3)^2} = \sqrt{9} \cdot \sqrt{(\sqrt{15}-3)^2} = 3 | \sqrt{15}-3 | = 3 (\sqrt{15}-3)$

723
$$\sqrt{25(3-\sqrt{11})^2} = 5|3-\sqrt{11}| = 5(\sqrt{11}-3)$$

$$\frac{a^4b^8}{\sqrt[3]{ab^2}}$$

$$\frac{xy^2}{\sqrt[3]{x^2y}}$$
 RAZIONALIZZARE

DENOMINAZORE

$$\frac{a^{4} l^{8}}{\sqrt[3]{a^{2} l^{2}}} = \frac{a^{4} l^{8} \sqrt[3]{a^{2} l^{2}}}{\sqrt[3]{a^{2} l^{2}}} = \frac{a^{4} l^{8} \sqrt[3]{a^{2} l^{2}}}{\sqrt[3]{a^{2} l^{2}}} = \frac{a^{4} l^{8} \sqrt[3]{a^{2} l^{2}}}{\sqrt[3]{a^{3} l^{3}}} = \frac{a^{4} l^{8} \sqrt[3]{a^{2} l^{2}}}{\sqrt[3]{a^{2} l^{2}}} = \frac{a^{4} l^{8} \sqrt[3]{a^{2} l^{2}}}{\sqrt[3]{a^{3} l^{3}}} = \frac{a^{4} l^{8} \sqrt[3]{a^{3} l^{3}}}{\sqrt[3]{a^{3} l^{3}}} = \frac{a^{4} l^$$

$$3\sqrt{x}y^2 \times (\sqrt{x}y^2)$$

$$y^2 = y\sqrt[3]{x}y^2$$

$$\frac{\times y^2}{\sqrt[3]{\times y^2}} = \frac{\sqrt[3]{y^2}}{\sqrt[3]{\times y^2}} = \frac{\sqrt[3]{y^2}}{\sqrt[3]{y^2}} = \frac{\sqrt[3]{y^2}}{\sqrt[3]{y^2}}$$

512
$$(\sqrt{3} - \sqrt{6})^2 - (1 + 2\sqrt{2})^2 + (1 - \sqrt{18})(1 + \sqrt{8}) + \sqrt{800} + 11 = \frac{3\sqrt{2}}{3}$$

$$= 3 - 2\sqrt{18} + 6 - (1 + 4\sqrt{2} + 8) + 1 + 2\sqrt{2} - 3\sqrt{2} - 12 + 20\sqrt{2} + 11 = \frac{3}{2} - 6\sqrt{2} + 6 - 1 - 4\sqrt{2} - 8 + 1 + 2\sqrt{2} - 3\sqrt{2} - 12 + 20\sqrt{2} + 11 = \frac{3}{2} - 6\sqrt{2} + 6 - 1 - 4\sqrt{2} - 8 + 1 + 2\sqrt{2} - 3\sqrt{2} - 12 + 20\sqrt{2} + 11 = \frac{3}{2} - 6\sqrt{2} + 6 - 1 - 4\sqrt{2} - 8 + 1 + 2\sqrt{2} - 3\sqrt{2} - 12 + 20\sqrt{2} + 11 = \frac{3}{2} - 6\sqrt{2} + 6 - 1 - 4\sqrt{2} - 8 + 1 + 2\sqrt{2} - 3\sqrt{2} - 12 + 20\sqrt{2} + 11 = \frac{3}{2} - 6\sqrt{3} + 6\sqrt{3} + 3\sqrt{3} - (3 + \sqrt{3})(3 - \sqrt{3})^2 + \sqrt{12} - \sqrt{75} = \frac{3}{2} - 3\sqrt{3} - 6\sqrt{3} + 3\sqrt{3} - (3 + \sqrt{3})(3 - \sqrt{3})^2 + \sqrt{12} - \sqrt{75} = \frac{3}{2} - 3\sqrt{3} - 18\sqrt{3} - 18\sqrt{3} - 18\sqrt{3} - 12\sqrt{3} + 18 - 3\sqrt{3} + 18 - 3\sqrt{3} - 12\sqrt{3} + 18 - 3\sqrt{3} = \frac{3}{2} - 3\sqrt{3} - 12\sqrt{3} + 18 + 12\sqrt{3} + 18 - 3\sqrt{3} + 18 - 12\sqrt{3} + 18 + 12\sqrt{3} + 18 - 3\sqrt{3} + 18 - 12\sqrt{3} + 18 - 12$$