

العمليات على العبارات الجذرية

بسط كلًا من العبارات الجذرية الآتية :-

$$\sqrt{18a^6b^3c^5} - 1$$

$$a- 6a^3bc^2\sqrt{3bc}$$

$$b- 3a^3bc^2\sqrt{2bc}$$

$$c- 2a^2bc\sqrt{2bc}$$

$$d- 9a^3bc^2\sqrt{3bc}$$

$$\frac{\sqrt[3]{6x^2}}{\sqrt[3]{5y}} - 2$$

$$a- \frac{\sqrt[3]{150x^2y^2}}{5y}$$

$$b- \frac{\sqrt{150x^2}}{5y^2}$$

$$c- \frac{\sqrt[3]{150xy}}{5y^2}$$

$$d- \frac{\sqrt{150xy^2}}{\sqrt{5y}}$$

$$\frac{6}{\sqrt{3}-\sqrt{2}} - 3$$

$$a- 6\sqrt{3} - 6\sqrt{2}$$

$$b- 6\sqrt{2} - 6\sqrt{3}$$

$$c- 6\sqrt{3} + 6\sqrt{2}$$

$$d- 6\sqrt{3} \cdot 6\sqrt{2}$$

$$(7\sqrt{2} - 3\sqrt{3})(4\sqrt{6} + 3\sqrt{12}) - 4$$

$$a- 56\sqrt{3} + 42\sqrt{6} - 36\sqrt{2} - 54 \quad b- 56\sqrt{3} + 42\sqrt{6} + 36\sqrt{2} + 54$$

$$c- 56\sqrt{3} - 42\sqrt{6} - 36\sqrt{2} - 54 \quad d- 56\sqrt{3} + 42\sqrt{6} - 36\sqrt{2} + 54$$