

Simplify the following

$\sqrt{8}$	$\sqrt{27}$	$\sqrt{50}$	$\sqrt{72}$
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Simplify the following

$\sqrt{8} + 2\sqrt{8}$	$\sqrt{27} - 2\sqrt{3}$	$5 + 5\sqrt{25}$	$\sqrt{12} - 2\sqrt{3}$
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Simplify the following

$\sqrt{2}(3 + \sqrt{2})$	$2\sqrt{3}(6 - \sqrt{3})$	$5\sqrt{5}(3 - \sqrt{125})$	$\sqrt{a}(b + \sqrt{a})$
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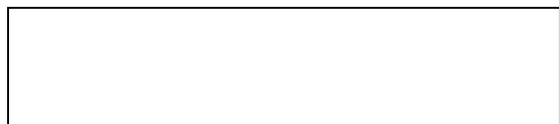
Simplify the following

$\frac{1}{\sqrt{2}}$	$\frac{2}{\sqrt{3}}$	$\frac{1}{5\sqrt{5}}$	$\frac{2}{4\sqrt{2}}$
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Simplify the following (extension)

$\frac{1}{1 + \sqrt{3}}$	$\frac{2}{1 - \sqrt{5}}$	$\frac{2 + \sqrt{3}}{3 + \sqrt{3}}$	$\frac{-3}{2 - \sqrt{6}}$
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Find the area and perimeter of the rectangle (extension)

 $(5 + \sqrt{2})$ cm $(2 + \sqrt{3})$ cm

Area =

Perimeter =

Evaluate the following

$2^3 \times 2$	$3^{-3} \times 3^4$	$a^2 \times a^5 b$	$3^{12} \times 3^0 \times 9^{0.5}$
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Evaluate the following

$(4^2)^3$	$(3x^2)^2$	$(2x^2 y^{-1})^4$	$(abc123)^4$
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Evaluate the following

$25^{\frac{1}{2}}$	$27^{\frac{1}{3}}$	$64^{\frac{1}{3}}$	$2^{0.5}$
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Evaluate the following

$16^{\frac{1}{4}}$	$125^{\frac{1}{3}}$	$121^{\frac{1}{2}}$	$(2a^2)^{\frac{1}{2}}$
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Evaluate the following

$\left(\frac{25}{4}\right)^{\frac{1}{2}}$	$\left(\frac{64}{27}\right)^{\frac{1}{3}}$	$\left(\frac{b^2}{a}\right)^{\frac{1}{2}}$	$\left(\frac{q^2}{p}\right)^{-3}$
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Evaluate the following (extension)

$\left(\frac{81}{16}\right)^{\frac{1}{4}} \times \left(\frac{2^2}{6}\right)$	$2^{-1} + \left(\frac{2}{3}\right)^{-1} - 24^0 - \frac{2}{2}$	$\frac{2(abc)^2}{1 + 27^{0.3}}$	$2^{2(x+1)} = 4^{3x-11}$
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