Vocabulary

radical expression
radicand

$\sqrt{\frac{1}{25}}$

$\frac{\sqrt{1}}{\sqrt{25}} = \pm\frac{1}{5}$

$\sqrt{(8^2+15^2)}$

$\sqrt{64+225}$

$\sqrt{289} = \pm 17$

$\sqrt{(x-3)(x-3)}$

$\sqrt{(x-3)^2}$

$(x-3)$

± 30

$\sqrt{121}$

± 11

$n - 10$

$\neq 12$

$5 \neq \div 2$

$\sqrt{50(9)}$
$\sqrt{9}\sqrt{50}$ $15\sqrt{2}$
$3\sqrt{50}$
$3\sqrt{25}\sqrt{2}$
$3\cdot 5\sqrt{2}$

$\sqrt{5^2}\sqrt{5}$

$5t\sqrt{5}$

$7xt^2$

$\sqrt{36}\sqrt{3}$
$6\sqrt{3}$

$9\sqrt{12}$
$3\sqrt{4}\sqrt{3}$
$3\cdot 2\sqrt{3}$
$6\sqrt{3}$

$\sqrt{16}\sqrt{3}\cdot a\sqrt{b}$
$4\sqrt{3}\cdot a\sqrt{b}$
$4a\sqrt{3b}$

$\sqrt{49}\sqrt{2}$
$7\sqrt{2} \longrightarrow 7x\sqrt{2y}$

$x\sqrt{y}$

Stop for the Day

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$$\frac{m\sqrt{\cancel{m}}}{3\sqrt{\cancel{m}}}$$

12

$$\frac{\sqrt{25}\sqrt{2}\sqrt{y^2}}{7x} \quad \frac{5y\sqrt{2}}{7x}$$

h

$a^2+b^2=c^2$

$\sqrt{a^2+b^2}=c$

$\sqrt{10^2+6^2}$

$\sqrt{136}$

≈ 11.6

$\sqrt{4(34)} = 2\sqrt{34}$

$ab^2\sqrt{ab}$

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