

BINGO! You must complete a row and a column and a diagonal. You also have the option to fill the board for EXTRA CREDIT!

B	I	N	G	O
Simplify: $\frac{x^{\frac{1}{2}}}{x^{\frac{2}{5}}}$ Answer: <u>$x^{\frac{1}{10}}$</u>	Rewrite in exponential form: $\sqrt[4]{4x}$ Answer: <u>$(4x)^{\frac{1}{4}}$</u>	Simplify: $(125ab^3)^{\frac{1}{3}}$ Answer: <u>$5a^{\frac{1}{3}}b$</u>	Rewrite in radical form: $(2xy)^{\frac{5}{3}}$ Answer: <u>$(\sqrt[3]{2xy})^5$</u>	Simplify: $(\frac{x^2y^4z}{49xz})^{-2}$ Answer: <u>$\frac{2401}{x^2y^8}$</u>
Simplify: $m^{\frac{1}{5}}m^{\frac{1}{4}}$ Answer: <u>$m^{\frac{9}{20}}$</u>	Simplify, then write in radical form: $x^{\frac{3}{8}}y^{\frac{1}{2}}$ Answer: <u>$\sqrt[8]{x^3y^2}$</u>	Simplify: $\sqrt[4]{x^{12}y^{16}}$ Answer: <u>x^3/y^4</u>	Simplify: $\frac{(z^{-2}y^3)^0}{x^{-2}}$ Answer: <u>x^2</u>	Simplify: $\sqrt{100y^4z^6}$ Answer: <u>$10y^2/z^3$</u>
Rewrite in exponential form: $\sqrt[3]{(2x)^5}$ Answer: <u>$(2x)^{5/3}$</u>	Simplify: $9(2x)^2 \cdot x^4$ Answer: <u>$36x^6$</u>	Simplify: $5x^{-3}$ Answer: <u>$\frac{5}{x^3}$</u>	Simplify: $(j^{18}k^{36})^{\frac{1}{6}}$ Answer: <u>j^3/k^6</u>	Simplify, then write in radical form: $b^{\frac{1}{2}}b^{\frac{1}{6}} = b^{2/3}$ Answer: <u>$\sqrt[3]{b^2}$</u>
Simplify: $(\frac{x^{-2}y^{-4}z}{-2x^3z^{-2}})^3$ Answer: <u>$\frac{z^3}{-2x^5y^4}$</u>	Simplify: $3t^{-3}$ Answer: <u>$\frac{3}{t^3}$</u>	Rewrite in radical form: $(3x)^{-\frac{5}{6}}$ Answer: <u>$\sqrt[6]{(3x)^{-5}}$</u>	Simplify: $a^{\frac{3}{4}} \cdot a^{\frac{9}{4}}$ Answer: <u>a^3</u>	Simplify: $\frac{\sqrt{48}}{\sqrt{3}} \cdot \frac{\sqrt{16}\sqrt{3}}{\sqrt{3}}$ Answer: <u>4</u>
Simplify, then write in radical form: $y^{\frac{1}{3}}y^{\frac{2}{5}} = y^{\frac{11}{15}}$ Answer: <u>$\sqrt[15]{y^{11}}$</u>	Simplify: $(\frac{81x^4y^8}{16z^{12}})^{\frac{3}{4}}$ Answer: <u>$\frac{27}{8} \sqrt[4]{x^3/y^6}$</u>	Simplify: $(27x^3y^6)^{\frac{5}{3}}$ Answer: <u>$243x^5y^{10}$</u>	Simplify: $2y \cdot 4y^4$ Answer: <u>$8y^5$</u>	Rewrite in exponential form: $\sqrt{3y^2}$ Answer: <u>$(3y^2)^{\frac{1}{2}}$</u>

Extra Scratch work: