Intermediate Algebra B Name _____ Per _____

7.2D Worksheet

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:_____	Rewrite in exponential form: $\sqrt[4]{4x}$ Answer:_____	Simplify: $(125ab^3)^{\frac{1}{3}}$ Answer:_____	Rewrite in radical form: $(2xy)^{\frac{5}{3}}$ Answer:_____	Simplify: $\left(\frac{x^2y^4z}{49xz}\right)^{-2}$ Answer:_____
Simplify: $m^{\frac{1}{5}}m^{\frac{1}{4}}$ Answer:_____	Simplify, then write in radical form: $\left(x^{\frac{3}{4}}y^{\frac{1}{2}}\right)^{\frac{1}{2}}$ Answer:_____	Simplify: $\sqrt[4]{x^{12}y^{16}}$ Answer:_____	Simplify: $\frac{(z^{-2}y^3)^0}{x^{-2}}$ Answer:_____	Simplify: $\sqrt{100y^4z^6}$ Answer:_____
Rewrite in exponential form: $\sqrt[3]{(2x)^5}$ Answer:_____	Simplify: $9(2x)^2 \cdot x^4$ Answer:_____	Simplify: $5x^{-3}$ Answer:_____	Simplify: $(j^{18}k^{36})^{\frac{1}{6}}$ Answer:_____	Simplify, then write in radical form: $b^{\frac{1}{2}}b^{\frac{1}{6}}$ Answer:_____
Simplify: $\left(\frac{x^{-2}y^{-4}z}{-2x^3z^{-2}}\right)^3$ Answer:_____	Simplify: $3t^{-3}$ Answer:_____	Rewrite in radical form: $(3x)^{\frac{-5}{6}}$ Answer:_____	Simplify: $\sqrt[4]{a^3}\sqrt[4]{a^9}$ Answer:_____	Simplify: $\frac{\sqrt{48}}{\sqrt{3}}$ Answer:_____
Simplify, then write in radical form: $y^{\frac{1}{3}}y^{\frac{2}{5}}$ Answer:_____	Simplify: $\left(\frac{81x^4y^8}{16z^{12}}\right)^{\frac{3}{4}}$ Answer:_____	Simplify: $(27x^3y^6)^{\frac{5}{3}}$ Answer:_____	Simplify: $2y \cdot 4y^4$ Answer:_____	Rewrite in exponential form: $\sqrt{3y^2}$ Answer:_____

Extra Scratch work: