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Math 10 100% Quiz

Column 1.	Column 2. <i>Complete this column if you make an error in column 1.</i>	Column 3 <i>Complete this column if you make an error in column 2.</i>
1. Evaluate: $(-4x)^0$	Evaluate: $-4x^0$	Evaluate: $-(4x)^0$
2. Simplify: -3^{-2}	Simplify: $(-3)^{-2}$	Simplify: -2^{-3}
3. Write in radical form: $5^{\frac{3}{4}}$	Write in radical form: $3^{\frac{5}{4}}$	Write in radical form: $4^{\frac{5}{3}}$

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4. Write in exponential form: $\sqrt[4]{7^2}$	Write in exponential form: $\sqrt[7]{2^4}$	Write in exponential form: $\sqrt{4^7}$
5. Simplify, no exponents $25^{\frac{3}{2}}$	Simplify, no exponents $64^{\frac{3}{4}}$	Simplify, no exponents $32^{\frac{3}{5}}$
6. Simplify: $\left(\frac{1}{16}\right)^{-\frac{1}{2}}$	Simplify: $\left(\frac{9}{16}\right)^{-\frac{3}{4}}$	Simplify: $\left(\frac{27}{8}\right)^{-\frac{2}{3}}$

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<p>7. Simplify, no negative exponents: $(-5x^2y^{-3})(2x^4y)$</p>	<p>Simplify, no negative exponents: $(-3x^6y^{-2})(-4x^{-8}y^5z)$</p>	<p>Simplify, no negative exponents: $(5x^{-12}y^{-3})(-2x^{-4}yz)$</p>
<p>8. Simplify, no negative exponents: $(-5x^2y^{-3})^{-2}(2x^4y)$</p>	<p>Simplify, no negative exponents: $(-5x^2y^{-3})(2x^4y)^{-3}$</p>	<p>Simplify, no negative exponents: $(-5x^2y^{-3})^2(2x^4y)^3$</p>

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9. Simplify, no negative exponents: $\frac{15a^4b^2}{-30a^{-2}}$	Simplify, no negative exponents: $\frac{25a^{-4}b^5}{-30a^{-3}a^{-2}}$	Simplify, no negative exponents: $\frac{30a^4b^2c}{-25a^{-2}c^{-3}}$
10. Simplify, no negative exponents: $\left(\frac{6a^4b^2}{-3a^{-2}}\right)^{-2}$	Simplify, no negative exponents: $\left(\frac{5a^2b^5}{2a^3a^{-2}}\right)^{-3}$	Simplify, no negative exponents: $\left(\frac{2a^{-4}b^5}{-3a^{-3}a^{-2}}\right)^{-2}$