

Pre-Algebra
Unit 1



Answer Key

DO NOW: You be the teacher! Look at the problems below. Redo the problem and correct the mistake(s). Explain what went wrong.

Problem	Corrected Problem	Explanation
<p>Evaluate</p> $24 \div ((-4)(-2))$ <p>Division first</p> $24 \div -8$ <p>Error</p> -3	$24 \div (-4)(-2)$ <p>✓</p> $-6(-2)$ 12	<p>Multiplication was done before division.</p> <p>Read from left to right when \times and \div.</p> <p>Also, $(-4)(-2) \neq -8$</p>
<p>Evaluate $x^2 + y$ when $x = -5$ and $y = 10$</p> $x^2 + y$ $-5^2 + 10$ <p>Error</p> $-25 + 10$ -15	$x^2 + y$ $(-5)^2 + 10$ $25 + 10$ 35	<p>-5 was not put in parentheses.</p> <p>x^2 is $(-5)^2 = 25$</p> <p>-5^2 says the opposite of 5 squared which is -25</p>
<p>Evaluate ab^2 when $a = -2$ and $b = 5$</p> ab^2 $(-2)(5)^2$ <p>Error</p> $(-10)^2$ 100	ab^2 $(-2)(5)^2$ $-2(25)$ -50	<p>Evaluate exponents before multiplying.</p> <p>Raise 5 to the power of 2 first.</p> <p>PEMDAS</p> <p>Do [↑] first (E before M)</p>