

<p>1. Simplify the following expression by combining like terms.</p> $-4m - 1 - 5m + 6$	<p>2. Woodland Park Trail is $3\frac{2}{3}$ miles long. Mill Creek Way is $2\frac{5}{6}$ miles long. Juliana and Brody hiked both trails. How far did they hike?</p>	<p>3. A cell phone company charges \$45.50 per month plus an additional \$150 setup fee when you sign up for a plan. Write an algebraic expression to represent this situation.</p> <p>Now use your expression to find the total cost for 6 months.</p>	<p>4. Write an algebraic expression to represent the following.</p> <p>twice the sum of a number and 64</p>
<p>5. Simplify the following expression by using the Distributive Property.</p> $-2(3a - 2)$	<p>6. Evaluate the following expression when $n = 2\frac{1}{4}$.</p> $3n$	<p>7. Write an algebraic expression to represent the following.</p> <p>5 less than the product of 4 and a number</p>	<p>8. Simplify the following expression by combining like terms.</p> $6k - 7k - 4 + k$

look on the back for your writing portion!!

constructed response

When we learn to solve equations, we learn to do the same thing to both sides of the equation so that it stays true. Explain why that does not work in the following example:

$$\frac{1}{2} = \frac{2}{4}$$

$$\frac{2}{2} = \frac{3}{4}$$