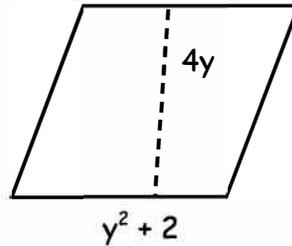


Sample Lesson #2

- Factor. $y^2 - 16y + 64$
- $-3(-8)(2) = ?$
- Multiply. $(5a^3 - 2a^2 + 4)(a - 6)$
- Solve for x . $\frac{3}{8} = \frac{x}{120}$
- Find the area of the parallelogram.
- $239 + (-99) = ?$
- Simplify. $4\sqrt{18a^{17}b^{15}}$
- $50 - 4 \cdot 5 + 6 \div 2 - 1 = ?$
- Solve for x . $\frac{8}{9}x - \frac{7}{9}x + 4 = 12$
- Terri bought headphones for \$99. The sales tax was 8%. What was the total cost of the headphones?
- Multiply the rational expression. $\frac{x^2 + 7x + 12}{x + 5} \cdot \frac{5x + 25}{x + 4}$
- Write an algebraic phrase that means *twice a number increased by four*.
- Find the LCM of $10x^3y^2z^4$ and $18x^2yz^2$.
- 70% of what number is 63?
- Factor out the GCF. $5x - 20$
- Solve for y . $|y - 3| = 7$
- Solve for m . $14 - 9m = -11m$
- Simplify. $(x^{-8}y^{-5})(x^{10}y^{-2})$
- Write 52,000,000 in scientific notation.
- Find the sum.
$$\begin{array}{r} 15x^2 - 7x + 3 \\ + 8x^2 \quad \quad - 5 \\ \hline \end{array}$$



1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.