

ACTION

RESPONSE

Simplify the following algebraic expressions:

1. $\frac{12x - 4}{36x + 4}$

4. $\frac{4a + 8b}{a^2 + 2ab}$

7. $\frac{4b^2}{2ab - 8b^2}$

2. $\frac{5x + 15}{7x + 21}$

5. $\frac{3x - x^2}{x^2}$

8. $\frac{3ab}{a^2b - ab^2}$

3. $\frac{4x + 2}{14x + 7}$

6. $\frac{x}{x^2 - 2x}$

9. $\frac{10x^2 - 20x}{5x^2 + 10x}$

Fluency



Reasoning



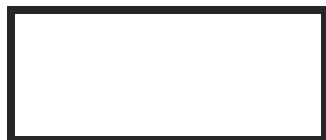
Prove that: $\frac{x^2 - 9}{4x + 12}$

Is equal to: $\frac{x - 3}{4}$

Problem Solving



The area of the rectangle below is $x^2 + 7x + 10$.
What is the height in terms of x ?



$3x + 6$



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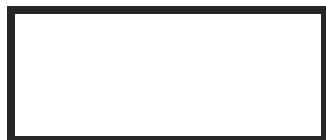
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