

MasterMath

Simplifying Rational Expressions

Name _____
 Date _____

1. Find any excluded values:

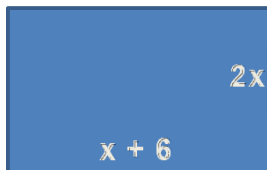
	Excluded Values	Excluded Values
3x		
2		
-z		
4z + 1		
6 + v		
x ² - 4		
28		
2m ² - m		
2b		
b ² - 6b + 9		

2. Simplify these expressions

3x + 33	
x + 11	
h + 3	
h ² - h - 12	
6m ² - 24m	
2m ² - 8m	
k ² + 16k + 64	
k ² + 7k - 8	
2x - 8	
4 - x	
h + 4	
16 - h ²	
f + 5	
f ³ + 10f ² + 25f	

3.

Write and simplify a rational expression for the ratio of the perimeter to the area of this figure.



4. The expression $\frac{m}{b^2 + 5b - 6}$ simplifies to $\frac{2b + 5}{b + 6}$. What does m equal?

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