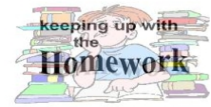


Name _____

Integrated Algebra Homework 6-1



Find the value of x in the following fractions that will make it undefined. Look at your notes

1. $\frac{x-7}{x+2}$

2. $\frac{x+4}{x-3}$

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

4. $\frac{x-5}{5-x}$

Simplify each fraction to lowest terms: Check your notes!!!

5. $\frac{bx}{by}$

6. $\frac{ab}{a^2b^2}$

7. $\frac{9x-18}{4x-8}$

8. $\frac{(x+5)^2}{x+5}$

9. $\frac{x^2+6x+9}{x^2-9}$

10. $\frac{2x^2-50}{x^2+8x+15}$

13. $\frac{2x-5}{5-2x}$

14. $\frac{7-x}{x^2-49}$

Copy these to the back of this page and show your work for each!

Challenge 1: $\frac{16-a^2}{2a-8}$

Challenge 2: $\frac{5a^2}{3b^3} \cdot \frac{12b^2}{15x^4}$