

Name: _____

Algebra Worksheet

Simplify each of the following expressions. All fractions should be combined and reduced. Some problems may already be simplified. If that is the case write *simplified*. No credit will be given until all problems are completed correctly. You will be allowed 3 submissions.

Due Dates:

- First submission:
- Second submission:
- Last submission:

1. $\frac{5a}{4} \times \frac{3b}{2}$

2. $\frac{h+2h^2-3xh}{h}$

3. $\frac{4x}{6x-1}$

4. $\sqrt{x^2 - 4x + 4}$

5. $\frac{3+p}{2} + \frac{1-p}{3}$

6. $\sqrt{x^2 - 9}$

7. $\frac{6}{3p}$

8. $\sqrt{x^2(x^4 - 4)}$

9. $\frac{2a}{9} - 2 \times \frac{4a}{6}$

10. $6 \times \frac{3x-1}{x^2}$

11. $\frac{-9x}{-3x^2-2}$

12. $\frac{4c}{5} \div \frac{2c}{3}$