Algebra I Name _____

Combining Terms-Fractions 1 Per/Sec. _____ Date _____

You may not use a calculator on this worksheet. Reduce all answers to lowest terms

Simplify.

1. $\frac{1}{5}y + \frac{4}{5}y$

2. $\frac{3m}{8} + \frac{3m}{8}$

3. $-\frac{k}{6} - \frac{k}{6}$

4. $2a - \frac{2}{3}a$

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

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

7. $-\frac{3g}{8} - \frac{g}{2}$

8. $-\frac{5x}{18} + \frac{2x}{3}$

9. $-\frac{5}{9}p - \left(-\frac{1}{3}p\right)$

10. $-\frac{5}{6}x - \frac{1}{8}x$

11. $\frac{3}{10}n + \frac{8}{15}n$

12. $\frac{4r}{5} - \frac{5r}{6}$

13. $\frac{2}{3}y - \frac{1}{2}y - \frac{1}{6}y$

14. $-\frac{2x}{5} + \frac{x}{2} - \frac{x}{10}$

15. $-\frac{c}{4} + \frac{7c}{2} - \frac{5c}{4}$

16. $\frac{1}{3}n - \frac{1}{6}n - \frac{7}{6}n$

17. $\left(\frac{3}{4}y^2 + \frac{2}{3}y - 1\right) + \left(\frac{5}{4}y^2 - y + \frac{4}{5}\right)$

18. $\left(\frac{3}{8}p^2 - 4p + \frac{2}{3}\right) + \left(\frac{5}{8}p^2 - 2p + \frac{1}{3}\right)$

19. $\left(\frac{1}{2}c + \frac{3}{5}d + 2cd\right) + \left(-\frac{3}{2}c - \frac{3}{5}d - \frac{3}{2}cd\right)$

20. $\left(\frac{4}{5}xy + x + \frac{1}{6}y\right) + \left(\frac{1}{5}xy - \frac{2}{3}x - \frac{7}{6}y\right)$

21. $(0.3pr - 2p^2r - 3.5r^2) + (-2.7pr + 4.8p^2r - 4r^2)$

22. $(4y^2 - 0.4y + 1.2) + (-2.9y^2 - 0.7y - 1.3)$

23. $(1.8c^2 + 4.9c - 3.6) + (-0.8c^2 - 1.1c - 0.4)$

24. Find the perimeter of a rectangle whose dimensions are $3\frac{1}{4}'' \times 2\frac{1}{4}''$.