

Name: _____

ME43 Homework 6

<p>1. Simplify: $4x - x$</p>	<p>6. Solve: $\frac{5c}{2} = 6$</p>
<p>2. Solve: $-7x = 21$</p>	<p>7. Solve: $-\frac{4}{5} = \frac{x}{20}$</p>
<p>3. Solve: $-8x = -16$</p>	<p>8. Add: $\begin{array}{r} y^2 - 2y + 1 \\ \underline{6y^2 + y + 3} \end{array}$</p>
<p>What is the sum of $\frac{2x}{3} + \frac{x}{4}$?</p> <p>4. (1) $\frac{3x}{7}$ (3) $\frac{2x^2}{12}$ (2) $\frac{11x}{7}$ (4) $\frac{11x}{12}$</p>	<p>9. Solve: $4x + 6 = -22$</p>
<p>5. Simplify: $-4y + 7y$</p>	<p>10. Express as a single fraction: $\frac{x}{2} + \frac{1}{9}$</p>

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

11. Solve: $13 = 8x - 7$	16. Solve: $\frac{-4x - 2}{3} = 6$	11. _____
12. Simplify: $(w^2 - 4w) + (w^2 - 5w)$	<p>If $x = 1$ and $y = -2$, which expression has a value of 3?</p> <p>17. (1) $x + y$ (3) xy (2) $x - y$ (4) $y - x$</p>	12. _____ 13. _____
13. Solve: $-2x + 3 = -15$	18. Simplify: $6xy - 20yx$	14. _____ 15. _____
14. Solve: $1 - 9x = 8$	19. Simplify: $\frac{k}{2} \cdot \frac{1}{w}$	16. _____ 17. _____
15. Simplify: $(x - 3) - (4x - 1)$	20. Subtract $12x^2 - 3x + 1$ from $x^2 - x + 4$.	18. _____ 19. _____ 20. _____