

1. Solve for x : $9y - 2x = 6$	6. Solve: $-9d + 1 \leq 28$
2. Solve: $-30x = 90$	7. Solve for w : $P = 2l + 2w$
3. Solve: $2b + 1 - 7b = -49$	8. From $-2k^2 + k - 8$ subtract $k^2 + 3k - 2$.
4. Solve: $-12 + 3x < 6x$	9. Solve: $-2x - 5 < 23$
5. Simplify: $3x^2 - 12x^2$	10. Express as a single fraction: $\frac{5x}{3} + 9$

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

<p>11. Solve for y: $-3x + 7y = x - 4y$</p>	<p>16. Simplify: $\left(\frac{2}{x}\right) \div \left(\frac{4}{y}\right)$</p>	<p>11. _____</p>
<p>Which expression represents a rational number?</p> <p>12. (1) $\frac{3}{4\pi}$ (3) $\sqrt{3 \cdot 14^2}$</p> <p>(2) $-\frac{4\pi}{3}$ (4) $\frac{\pi^2}{\pi}$</p>	<p>17. Solve: $12 - p < 22$</p>	<p>12. _____</p> <p>13. _____</p> <p>14. _____</p>
<p>13. Solve: $x - (12 - x) = 38$</p>	<p>The expression xy^{-2} is equivalent to</p> <p>18. (1) $x^{-2}y$ (3) $\frac{y^2}{x}$</p> <p>(2) $\frac{x}{y^{-2}}$ (4) $\frac{x}{y^2}$</p>	<p>15. _____</p> <p>16. _____</p>
<p>14. Solve for v: $\frac{3v - g}{a} = 10$</p>	<p>What are the factors of $x^2 - 13x + 12$?</p> <p>19. (1) $(x + 12)(x - 1)$ (3) $(x - 12)(x - 1)$</p> <p>(2) $(x - 12)(x + 1)$ (4) $(x + 13)(x - 1)$</p>	<p>17. _____</p> <p>18. _____</p>
<p>15. Solve: $\frac{x - 3}{8} = 15$</p>	<p>20. Express as a single fraction: $\frac{p}{2} - \frac{7}{3}$</p>	<p>19. _____</p> <p>20. _____</p>