



Formula Manipulation Solutions

1. $a = \frac{c-2b}{3}$
2. $x = \frac{5z-3y}{2}$
3. $q = \frac{2r-4p}{3}$
4. $y = \frac{q-z}{x}$
5. $c = \frac{a-d}{3}$
6. $q = \frac{p-t}{r}$
7. $y = \frac{z-3x}{3}$
8. $q = \frac{6p-4s}{10}$
9. $b = \frac{5c+3ac}{2a}$
10. $z = 2x - y$
11. $m = \frac{20p+3n}{2}$
12. $c = 6a + 3b$
13. $y = 2z - 2x$
14. $q = 5p + 15r$
15. $b = \frac{6c-3a}{2}$
16. $p = \frac{3r-6q}{4}$
17. $y = \frac{17x}{10}$
18. $y = \frac{p}{x-z}$
19. $q = \frac{r}{p+s}$
20. $a = \frac{c+2b}{b+1}$
21. $y = \frac{3xz}{8x-4z}$
22. $c = \frac{b}{d-a}$
23. $r = \frac{q}{p+s}$
24. $z = \frac{y^2}{x-wy}$
25. $y = \frac{2xz}{3z-5x}$
26. $a = \frac{3bc}{2c-5b}$
27. $c = \frac{a-bd}{d}$
28. $z = -x - y$
29. $x = \sqrt{y}$
30. $x = \sqrt{\frac{y}{5}}$
31. $b = \sqrt{\frac{c}{a}}$
32. $p = \sqrt{qr}$
33. $x = \sqrt{\frac{y}{3}}$
34. $z = \sqrt{\frac{2y}{xy-3}}$
35. $c = \sqrt{\frac{9b}{3a-d}}$
36. $x = y^2$
37. $x = 9y^2$
38. $x = y^2 + 4y + 4$
39. $b = \frac{c^2}{a}$
40. $a = \frac{c^2d^2}{b}$
41. $z = \frac{y}{x^2}$
42. $z = \frac{9x^2}{25} - y$

