

Manipulation of Formulae Solutions

1. $\frac{b+c}{2}$
2. $\frac{r-q}{3}$
3. $\frac{c+d}{a}$
4. $\frac{v-u}{a}$
5. $\frac{5r-2q}{3}$
6. $\frac{3a-2c}{4}$
7. $\frac{q+2r}{2}$
8. $\frac{t+ay}{y}$
9. $2c - b$
10. $\frac{q-3p}{2}$
11. $y - 2x$
12. $\frac{b-3a}{3}$
13. $\frac{6r-3q}{2}$
14. $\frac{4c}{a+2b}$
15. $\frac{1}{r-t}$
16. $\frac{t}{r-p}$
17. $\frac{b^2}{a-bd}$
18. $\frac{3ab}{a+4b}$
19. $\frac{uv}{u+v}$
20. $\frac{pr-q}{p}$
21. $\frac{ac}{2a-c}; 12$
22. (a) $\frac{gx+q}{x-1}$
(b) $p = -q$

23. $\frac{q^2 - qr}{2r}$
24. $\pm\sqrt{\frac{r}{q}}$
25. $\pm\sqrt{\frac{2s}{a}}$
26. $\pm\sqrt{\frac{b}{c}}$
27. $\pm\sqrt{\frac{1}{m^2 + 8p}}; \pm 0.2$
28. y^2
29. $\frac{r^2}{q}$
30. $\frac{p}{a^2}$
31. $\frac{z^2}{9x}$
32. $\frac{4s^2}{t}$
33. $\frac{y^2 + 3}{2}$
34. $\frac{s^2 + r}{q}$
35. $\frac{gt^2}{k^2}$
36. $\frac{2t^2 + x}{t^2}$
37. $\frac{4 + 4p^2}{p^2}; 5$
38. (a) $2a + a^2$
(b) 0
39. (a) $3a - a^3$
(b) 2
40. (a) $2x - 3$
(b) x
41. $\frac{8b + 3}{4}$
42. (a) $\frac{p + 2q^2}{q^2}$
(b) 4
43. $\frac{a + b}{p + q}$
- 44.
- 45.
- 46.