

Solving Multi-Step Equations

Solve each equation. Check your solution.

1. $-12n - 19 = 77$

2. $17 + 3f = 14$

3. $5t + 4 = 49 - 4t$

4. $\frac{u}{5} + 6 = 2$

5. $\frac{d}{-4} + 3 = 15$

6. $\frac{b}{3} - 6 = -2$

7. $\frac{1}{2}y - \frac{1}{8} = \frac{7}{8}$

8. $-32 - \frac{3}{5}f = -17$

9. $8 - \frac{3}{8}k = -4$

10. $\frac{r+13}{12} = 1$

11. $\frac{15-a}{3} = -9$

12. $\frac{3k-7}{5} = 16$

13. $6(x - 3) = -42$

Justification

14. $2(3x + 4) = 4x + 12$

Justification

Solve the following literal equations.

15. Solve $ab - dc = e$, for c

16. Solve $d = rt$, for r

17. Solve $y = mx + b$, for b

18. Solve $y = mx + b$, for m

19. Solve $y = \frac{2x-4}{3}$, for x

20. Solve $g = \frac{5-2f}{3}$, for f