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Objective: To be able to solve equations and provide reasoning for each step.
Directions: Solve each equation and justify your steps using the properties of equality.

Example: $\quad \frac{8 x}{3}+12=28$

1. $\frac{8 x}{3}+12=28$
2. Given
3. $\frac{8 x}{3}=16$
4. Subtraction prop. of equality
5. $8 x=48$
6. Multiplication prop. of equality
7. $x=6$
8. Division prop. of equality
9. $7 x+4=46$
10. $3+2 x=-11$
11. $-6+8 x=16$
12. $27=9-5 x$
13. $\frac{x}{3}-16=3$
14. $-14+\frac{x}{4}=6$
15. $\frac{2 x}{5}=15$
16. $12=\frac{3 x}{7}+6$
17. $13=\frac{x+4}{2}$
18. $\frac{x-9}{-2}=12$
