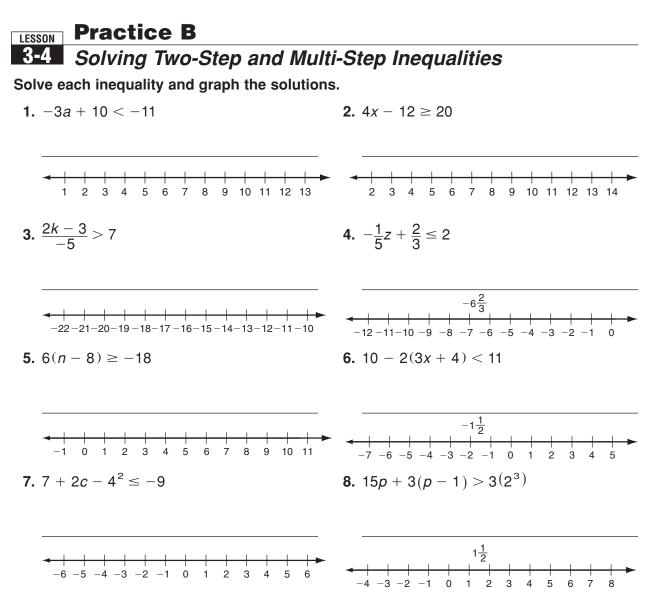
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## Write and solve an inequality for each problem.

- 9. A full-year membership to a gym costs \$325 upfront with no monthly charge. A monthly membership costs \$100 upfront and \$30 per month. For what numbers of months is it less expensive to have a monthly membership?
- **10.** The sum of the lengths of any two sides of a triangle must be greater than the length of the third side. What are the possible values of *x* for this triangle?

