CHAPTER REVIEW



EXAMPLES

for Exs. 8–12

1, 2, 3, 4, and 5

on pp. 363-365

Solve Inequalities Using Multiplication and Division pp. 363–368

EXAMPLE

Solve $\frac{x}{-4} < 9$. Graph your solution. $\frac{x}{-4} < 9$ Write original inequality. $-4 \cdot \frac{x}{-4} > -4 \cdot 9$ Multiply each side by -4. Reverse inequality symbol.x > -36Simplify.

▶ The solutions are all real numbers greater than −36.

EXERCISES

Solve the inequality. Graph your solution.

8. $\frac{p}{2} \le 5$

- **9.** $\frac{n}{-4.5} < -8$ **10.** -3x > 27 **11.** $2y \ge 18$
- **12. GYMNASTICS** In men's gymnastics, an athlete competes in 6 events. Suppose that an athlete's average score per event is at most 9.7 points. Write and solve an inequality to find the possible total scores for the athlete.



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