

# EXTRA PRACTICE — Exercises

Copyright © 2003 by Videotext Interactive

## Unit II – First Degree Relations with One Placeholder

### Part D – Systems of Equations and Inequalities

#### **Lesson 4 – Absolute Value Less Than a Positive Number (and)**

---

Find the solution set for each of the following absolute value relations and show the solution set on a number line and in set notation.

1.  $|3m| \leq 12$

2.  $|4y - 2| \leq 10$

3.  $|4t + 6| \leq 14$

4.  $|-5 - 7x| \leq 30$

5.  $3|x + 1| \leq 18$

6.  $7 - |3 - 2x| \geq 5$

7.  $\frac{2}{5}|y + 3| < 9$

8.  $|m + 5| + 19 \leq 16$

9.  $\left| \frac{2}{3} - 4x \right| \leq \frac{4}{5}$

10.  $\left| \frac{5 - 3v}{2} \right| < 4$

# EXTRA PRACTICE — Answer Key

Copyright © 2003 by Videotext Interactive

## Unit II – First Degree Relations with One Placeholder Part D – Systems of Equations and Inequalities

### Lesson 4 – Absolute Value Less Than a Positive Number (and)

Find the solution set for each of the following absolute value relations and show the solution set on a number line and in set notation.

