



NAME _____

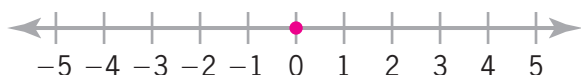
Module 6 Solving Absolute Value Equations and Inequalities

Lesson 3 Solving Inequalities Using “Absolute Value is Less Than”

Set 1

Solve each inequality and graph the solution set.

1. $|m| \leq 0$ $m = 0$ _____



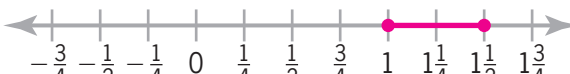
2. $|z - 2| \leq 5$ $-3 \leq z \leq 7$ _____



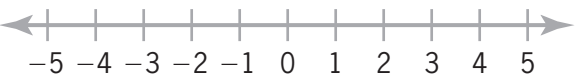
3. $|\frac{x}{4}| < 1$ $-4 < x < 4$ _____



4. $|8A - 10| \leq 2$ $1 \leq A \leq 1\frac{1}{2}$ _____



5. $-3 \geq |\frac{d}{2} + 1|$ \emptyset _____



6. $0 \geq |x - 4|$ $x = 4$ _____



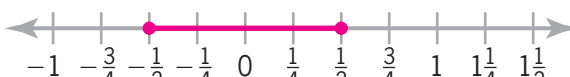
Set 2

Solve each inequality and graph the solution set.

1. $3|g| < 18$ $-6 < g < 6$ _____



2. $1 \geq |10p| - 4$ $-\frac{1}{2} \leq p \leq \frac{1}{2}$ _____



3. $|\frac{4y + 2}{3}| < -4$ \emptyset _____



4. $2|\frac{m}{2} - 1| \leq 6$ $-4 \leq m \leq 8$ _____



© 2003 BestQuest

