



NAME _____

Module 6 Solving Absolute Value Equations and Inequalities

Lesson 4 Solving Inequalities Using “Absolute Value is Greater Than”

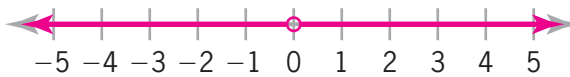
Set 1

Solve and graph.

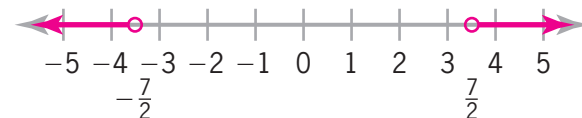
1. $|7 - p| \geq 2$ $p \leq 5$ or $p \geq 9$ _____



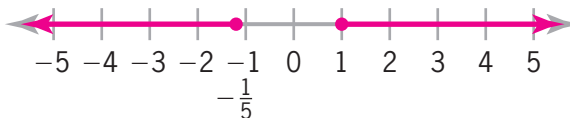
2. $|g| > 0$ $g > 0$ or $g < 0$ _____



3. $21 < |6g|$ $g > \frac{7}{2}$ or $g < -\frac{7}{2}$ _____



4. $|5j - 2| \geq 3$ $j \geq 1$ or $j \leq -\frac{1}{5}$ _____



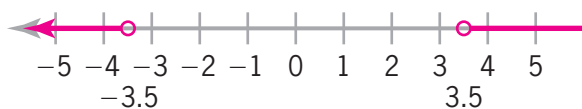
5. $|\frac{h}{2} + 5| \geq -3$ \mathcal{R} _____



Set 2

Solve each inequality and graph the solution set.

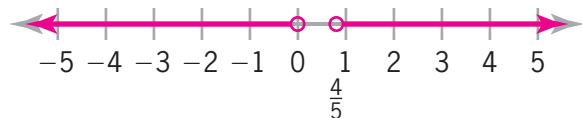
1. $4|h| > 14$ $h > 3.5$ or $h < -3.5$ _____



2. $|2z| + 1 \geq 3$ $z \geq 1$ or $z \leq -1$ _____



3. $|\frac{5p - 2}{2}| > 1$ $p > \frac{4}{5}$ or $p < 0$ _____



4. $5|\frac{2z}{3}| + 5 \geq 3$ \mathcal{R} _____



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