**Algebra II Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Solve each inequality, given the graph. State your answer using interval notation. Solve each inequality graphically.**

1. $\left|x\right|<4$ 2) $\left|x\right|\geq 2$

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1. $\left|x+1\right|\leq 5$ 4) $\left|2x-6\right|>5$

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1. $\left|x+3\right|<2x+3$ 6) $\left|x-2\right|\geq \frac{1}{2}x-3$

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