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| **Solving Inequalities Graphically** |
| Use the graph to help solve each of these linear and quadratic inequalities. |
|  | **(a)** | **(b)** |
| $$12-2x>\frac{1}{2}x+6$$ | $$6x-x^{2}\leq 12-2x$$ |
| **€** | **(d)** | **€** |
| $$\frac{1}{2}x+6\leq 6x-x^{2}$$ | $$\frac{1}{4}x^{2}+4<\frac{1}{2}x+6$$ | $$\frac{1}{4}x^{2}+4\leq 6x-x^{2}$$ |