**Compound Inequalities containing**

**and**

* Shade the intersection.

$3\leq x<7$ means $3\leq x$ AND $x<7$

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**Compound Inequalities containing**

**or**

* Shade the union.

$$x>2 or x\leq -1$$

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Example 1

$$-2\leq x-3<4$$

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Example 1

$$-2m+7\leq 13 or 5m+12>37$$

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Example 2

$$y-3\leq 11 and y-3\geq 8$$

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Example 2

$$x\geq 9 or2+4x<10$$

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