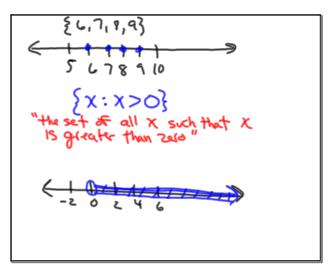
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## 5.1 Sets and solution sets

{6,7,8,9} Finite set {0,1,2,3,...} Infinite set

solution set: set of all values that solve the open sentance

Empty set: set that contains no values



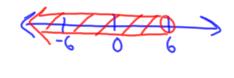
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## 5.2 Inequalities

$$3 < 7$$
 tive  $3 = 7$  false  $3 > 7$  fulse

x< 6



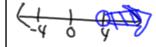
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## 5.3 Inequality properties

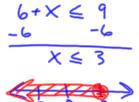
all the same properties as equalities (equations) except for multiplying by a negative

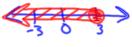
$$\frac{3X}{3} > \frac{12}{3}$$

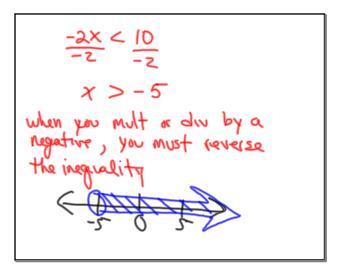
$$X > 4$$



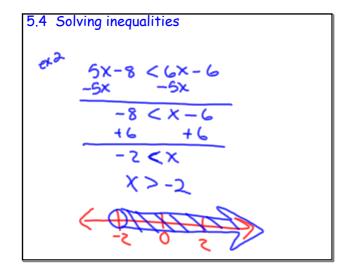
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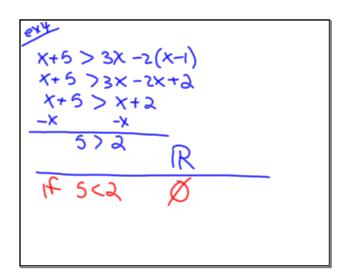




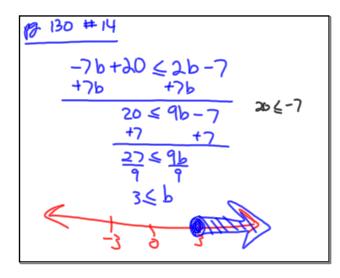
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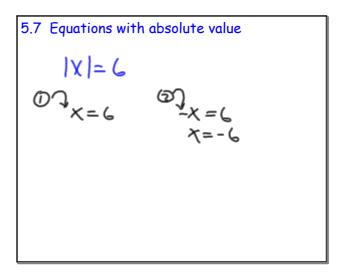
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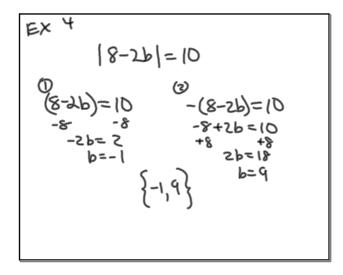
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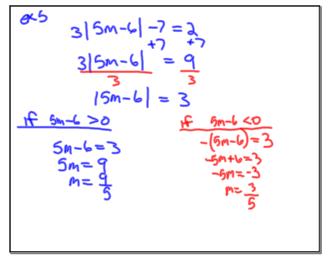
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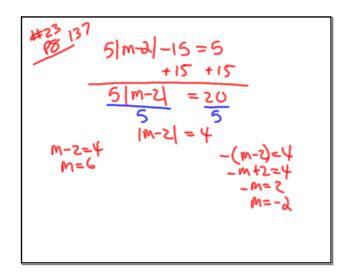


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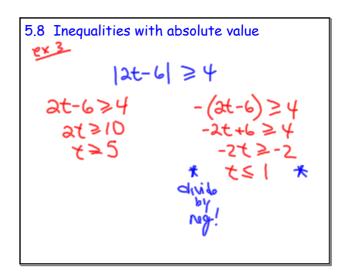


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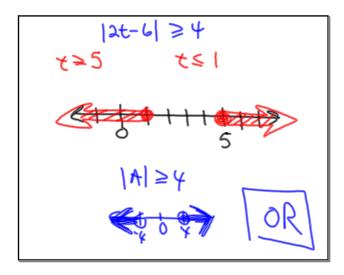
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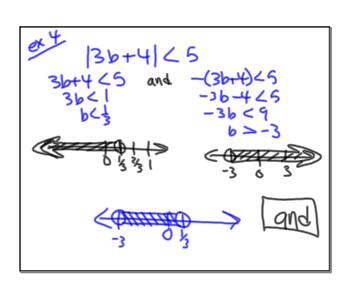
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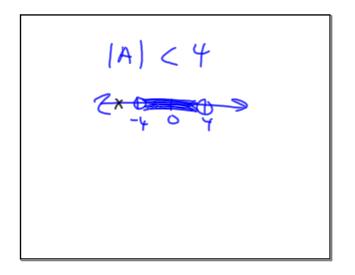
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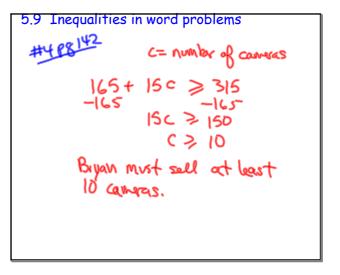
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Jul 8-2:08 PM

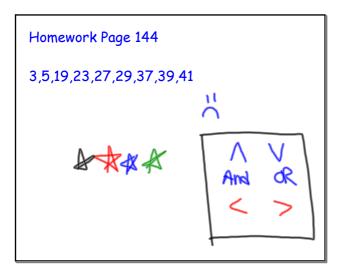


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