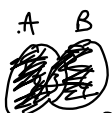



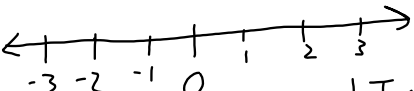
120  
 $\{x | x \in A \text{ or } x \in B\}$   
 $A = \{0, 2, 4, 6\}$   
 $B = \{1, 2, 3, 4, 5\}$   
 $\rightarrow \{0, 1, 2, 3, 4, 5, 6\}$

Union   
 Intersection 

Aug 19-2:10 PM

117  
 $\{x | x \in A + x \notin B\}$   
 $A = \{0, 2, 4, 6\}$   
 $B = \{1, 3, 5\}$   
 $\rightarrow \{0, 6\}$

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Naturals: 1, 2, 3...  
 Whole:  $\downarrow + 0$   
 Integers  $\downarrow$  w/ - negatives  
 Rational:  $\frac{1}{2}, \frac{2}{5}, \frac{?}{5}$   
 Terminating: 0.5, 0.4,  
 Irrational:  $\pi, e, \varphi$   
 $\sqrt{2} = \dots$   
 Repeating:  $\frac{1}{3} = 0.3\bar{3}$

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Factors + Primes:  $\frac{8}{3, 7, 11}$

8  
 $\swarrow \searrow$   
 2      4 ← composite  
 $\searrow \swarrow$   
 2      2

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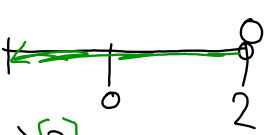
Factor:

60  
 $\swarrow \searrow$   
 30      2  
 $\swarrow \searrow$   
 15      2  
 $\swarrow \searrow$   
 3      5


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$( ) = >, <$        $[ ] = \geq, \leq$

$x < 2$

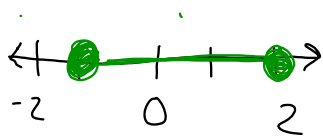


$x \geq 3$



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$$25) \{x \mid -1 \leq x \leq 2\}$$



or = UNION

and = intersection

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