













Java provides operators for comparing numbers:						
Math Symbol	Java Operator	Meaning	Example	Value if y is 11		
>	>	greater than	y > 5			
<	<	less than	y < 5			
≥	>=	greater than or equal	y >= 11			
≤	<=	less than or equal	y <= 10			
¥	!=	not equal	y != 5			
=	==	equal	y == 5			



	The Refinement in Java	
Here's the a If the custom check their II them beer, o Implement i	Igorithm again: er looks over 31, sell them beer. Otherwise, D. If it says they are over 21, sell therwise send them home. t in Java:	
7/1/2001	(c) 2001, University of Washington	117



Operators for combining boolean expressions:					
Symbo I	Meaning	Example	Value if y is 11		
&&	and (true when both subexpressions are true)	(y > 5) && (y < 11)			
	or (true when either or both subexpressions are true)	(y < 5) (y == 11)			
ļ	not (true when subexpression is false)	!(y > 5)			



 At times, we only need to decide whether or not to do something; there's nothing else to do if we decide no 						
• The "else" part of the if statement can be omitted in this case						
if (<condition< th=""><th>-expression>) {</th><th></th></condition<>	-expression>) {					
<then-statements></then-statements>						
}						
Meaning: if	<condition-expression> is true, execute <then< th=""><th>-</th></then<></condition-expression>	-				
statements	, otherwise do nothing					
if (temperatu	re > 80) {					
System.c	ut.println("Too hot for Seattle natives!");					
}						
}						
7/1/2001	(c) 2001. University of Washington	121				