

Name: _____

Syntax reference (Java)

Declaring variables	Operators	
boolean a; int b; double c; Object e;	addition	+
	subtraction	-
	multiplication	*
Assignment	division / quotient	/
a = true; b = 303; c = 23.28; e = new Object(f, g, h);	remainder	%
	equal to	==
	not equal to	!=
Calling methods	greater than	>
c = Math.sqrt(284.8); i = e.doSomething();	greater than or equal to	>=
	less than	<
Decisions	less than or equal to	<=
if (condition) { } if (condition) { } else { } if (condition) { } else if (condition) { } ... else { }	boolean AND	&&
	boolean OR	
	boolean NOT	!
	convert double to int	(int)
	convert int to double	(double)
	Halting	
	return;	
	Loops	
	while (condition) { }	
	do { } while (condition);	
for (initialization ; condition ; update) { }		

Name: _____

Syntax reference (IO module methods)

Name	Inputs/Parameters	Output/Return Values
readDouble	none	real number read from keyboard
readInt	none	integer read from keyboard
readBoolean	none	true or false read from keyboard
outputDoubleAnswer	real number	void; prints to screen/grading program
outputIntAnswer	integer	void; prints to screen/grading program
outputBooleanAnswer	boolean	void; prints to screen/grading program
reportBadInput	none	void; prints to screen/reports error to grading program