## **Turtle Methods**

	Method Functionality	Method Syntax	Notes
Creating aTurtle	Constructors	Turtle(World world)	Default: starts facing north and in center of world
		Turtle(int x, int y, World world)	Starts at position (x,y) (x starts at 0 on the left, y starts at 0 at the top of the window)
Moving a Turtle	Move forward	void forward()	Move forward by 100 pixels
		void forward(int pixels)	Move forward by given number of pixels
	Move backward	void backward()	Move backward by 100 pixels
		void backward(int pixels)	Move backward by given number of pixels
	Move to a particular location	void moveTo(int x, int y)	Move to location (x,y)
Turning a Turtle	Turn right	void turnRight()	Default: turn right by 90 degrees
	Turn left	void turnLeft()	Default: turn left by 90 degrees
	Turn right or left	void turn(int degrees)	Turn right if degrees is positive, left if degrees is negative
	Turn to face another turtle	void turnToFace(Turtle turtle)	Turn to face turtle
	Turn to face a specific point	void turnToFace(int x, int y)	Turn to face point (x,y)
Turtle Color	Change turtle color	void setColor(Color color)	
	Change turtle body color	void setBodyColor(Color color)	Also sets the pen color
	Change turtle shell color	void setShellColor(Color color)	
	Get turtle color	Color getColor()	
	Get turtle body color	Color getBodyColor()	
	Get turtle shell color	Color getShellColor()	
Turtle Size	Change turtle's width or height	void setWidth(int width) void setHeight(int height)	
	Get turtle's width or height	int getWidth() int getHeight()	
Turtle Name	Set turtle's name	void catNama(String nama)	
rurue mame	Set turtie's name	void setName(String name)	

	Get turtle's name	String getName()	
Turtle Position	Get turtle's position	int getXPos() int getYPos()	
Turtle Visibility	Hide turtle	void hide()	Does not affect pen status
	Show turtle	void show()	
Turtle Information	Get turtle information	String toString()	
The Pen			Default: the pen is down and leaves a trail
	Pick up pen	void penUp()	
	Put pen down	void penDown()	
	Check if pen is down	boolean isPenDown()	
	Change width of pen trail	void setPenWidth(int width)	
	Set / change pen color	void setPenColor()	
	Get pen color	Color getPenColor()	
	Get pen width	int getPenWidth()	