

## STATION 1: VARIABLES

VALID EXAMPLES	INVALID EXAMPLES
<code>int number = -25;</code>	<code>float temp = 98.6</code>
<code>String msg = "Error!";</code>	<code>boolean hasTurned = true</code>
<code>char letter = 'm';</code>	<code>int pin = 9</code>

## STATION 2: VARIABLES

VALID EXAMPLES	INVALID EXAMPLES
<pre>char answer = 'y';</pre>	<pre>name = "Luna";</pre>
<pre>boolean isValid; isValid = false;</pre>	<pre>volume = 8; volume = volume + 1;</pre>
<pre>float dir = 33.3; float turn = 90; dir = dir + turn;</pre>	<pre>float dist = 50.5; dist = dist + length;</pre>

## STATION 3: VARIABLES

VALID EXAMPLES	INVALID EXAMPLES
<pre>int age = 16; age = age + 1;</pre>	<pre>String input = "true"; input = false;</pre>
<pre>boolean hitWall = false; hitWall = true;</pre>	<pre>float distance = 5.2; distance = "Arrived!";</pre>
<pre>String answer = "Yes"; answer = "Y";</pre>	<pre>char answer = "No"; answer = 'N';</pre>

## STATION 4: FUNCTIONS

VALID EXAMPLES	INVALID EXAMPLES
<pre>int moveForward() {  }</pre>	<pre>int turnAround():</pre>
<pre>boolean isOnTrack() { }</pre>	<pre>float getTemp()  }</pre>
<pre>int left(int degrees){}</pre>	<pre>boolean hasEnded( )</pre>

# STATION 5: FUNCTIONS

VALID EXAMPLES	INVALID EXAMPLES
<pre>char nextLetter() {  }</pre>	<pre>goRight() {  }</pre>
<pre>boolean touchingWall() {  }</pre>	<pre>backUp() {  }</pre>
<pre>void blinkLight() {  }</pre>	<pre>spin(int times) {  }</pre>

## STATION 6: FUNCTIONS

VALID EXAMPLES	INVALID EXAMPLES
<pre>void turn(int degrees) {  }</pre>	<pre>int move(distance) {  }</pre>
<pre>void blink(int time) {  }</pre>	<pre>char nextLetter(index) {  }</pre>
<pre>void move(float dist) {  }</pre>	<pre>void playNote(pitch) {  }</pre>