Arrow Functions Worksheet

Complete all the parts below to practice using arrow functions.

# **A picture containing footwear Description automatically generatedPart 1: Mix ‘n’ Match**

Each classic function *declaration* has a functionally equivalent function *expression.* Match them up!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| function hi() {  alert("hi");  } | **1** |  | **A** | n => "hi" |
| function hi(n) {  return `hi ${n}!`  } | **2** |  | **B** | () => `hi ${n}!` |
| function hi(n) {  alert(`hi ${n}!`);  } | **3** |  | **C** | () => {  alert(`hi`);  } |
| function hi(n) {  return `hi`;  } | **4** |  | **D** | let howdyThere = (name) => {  alert("hi " + name + "!");  } |
| function hi() {  return `hi ${n}!`;  } | **5** |  | **E** | n => `hi ${n}!` |

# Lost In Translation,' 15 Years Later: Sofia Coppola on Final Scene | IndieWire**Part 2: Lost in Translation**

Convert each function into an arrow function. Avoid curly brackets and parentheses when possible!

|  |  |  |  |
| --- | --- | --- | --- |
| function easy() {    let x = "Hi";    alert(x);  } | **6** | **=>** |  |
| function yell(c) {    alert(c + "!");  } | **7** | **=>** |  |
| function mult(x, y) {    return x\*y;  } | **8** | **=>** |  |
| function hmmm(q) {    if (q) {      return "YES!";    } else {      return "NO!";    }  } | **9** | **=>** |  |
| function greet(g, n) {    return `${g}, ${n}!`;  } | **10** | **=>** |  |
| function twoThings(x) {    alert(x);    return x+1;  } | **11** | **=>** |  |

# **Part 3: Pass the Func**

Write an appropriate function expression between **(** and **)** for each of these record store situations.

## **12. Discounted Albums**

Some albums need their prices marked down. Each one should take 50 percent off (aka, split the price in half).

let prices = [10.99, 20.50, 14.99, 5.00];

prices.map**(**             **)**;

## **13. Only the Hits**

Some albums are better than others, based on Spotify listens. Find only the albums with more than 99 listens.

let listens = [100, 500, 40, 20];

listens.filter**(**                   **)**;

## **14. Best Deals: CHALLENGE**

Albums are a great deal if they have over 99 listens AND are under $12. Each album object has a **p** property that stores the price, and an **l** property that stores the listens. Find these albums.

let albums = [{p:10.99,l:100}, {p:20.50,l:500}, {p:14.99,l:40}, {p:5.00,l:20}];

albums.filter**(**               **)**;