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| **Skill 28.01 Exercise 1** | |
| Refer to the following variable declarations, then indicate the output for each console.log()  var a = 8;  var b = 9;  var c = a;  var d = “hello”;  var e = “goodbye”; | |
| console.log(a == b); |  |
| console.log(a > b); |  |
| console.log(a < b); |  |
| console.log(d == e); |  |
| console.log(d > e); |  |

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| **Skill 28.02 Exercise 1** | |
| Evaluate whether each of the following is true or false for the conditions below,  x = 11 and y = 5 | |
| (( x < 10 ) AND ( y = 6 ) |  |
| (( x < 10 ) AND ( y = 5 ) |  |
| (( x > 10 ) AND ( y ≠-3 ) |  |
| (( x < 10 ) OR ( y = 5 )) |  |
| (( x > 10 ) OR ( y = 5 )) |  |

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| **Skill 28.02 Exercise 2** | | |
| Refer to the following variable declarations, then (a) Re-write each statement using proper JavaScript syntax and (b) indicate whether the statement evaluates to *true* or *false*  var x = 79;  var y = 46;  var z = -3;  var w = 13.89;  var y = 40.0;  var t = true;  var f = false; | | |
| **Statement** | **Proper JavaScript syntax** | **T/F** |
| (( x < 10 ) AND ( y = 46 ) |  |  |
| (( x > 10 ) AND ( y = 46 ) |  |  |
| (( x > 10 ) AND ( z ≠ -3 ) |  |  |
| (( x > 10 ) OR ( y = 5 )) |  |  |
| true AND false |  |  |
| true AND !false |  |  |
| !t OR f |  |  |
| x ≠ 3 OR f |  |  |
| y/2 > w AND w ≠ x |  |  |

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| **Skill 28.03 Exercise 1** | |
| Refer to the following code to evaluate what is printed.  var x = 79, y = 46, z = -3;  var d = 13.89, jj = 40.0;  var b = true, c = false; | |
| console.log( b && c || !c); |  |
| console.log( x == y && !(z < 0) || b && c); |  |
| console.log( x != y && y==z && b || !c); |  |
| console.log( x > y || c || b && jj%4 != 0); |  |

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| **Skill 28.04 Exercise 1** | |
| Simplify the following | |
| !(A > B || B != A) |  |
| ! (A == B || (B >= C || B < A)) |  |

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| **Skill 28.04 Exercise 2** |
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| **Skill 28.04 Exercise 3** |
| The table below shows the value of expression base on the values of input1 and input2    Write an expression in terms of input1 and input2 that would produce the output. |
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| **Skill 28.05 Exercise 1** |
| In a certain country, a person must be at least 16 years old to drive a car and must be at least 18 years old to vote. The variable age represents the age of a person as an integer.  Write a function that accepts age as a parameter and returns true if the person is old enough to drive but not old enough to vote and returns false otherwise. |
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| **Skill 28.05 Exercise 2** |
| A programmer wants to determine whether a score is within 10 points of a given target. For example, if the target is 50, then the scores 40, 44, 50, 58, and 60 are all within 10 points of the target, while 38 and 61 are not.  Write a function that accepts score as a parameter and returns true if and only if the score is within 10 points of the target? |
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