**Boolean expressions, String equivalence, and problem solving with if statements.**

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| **Expression** | **Result** |
| a. (blue > red) && yes |  |
| b. (blue <= red) || no |  |
| c. (yes == no) || (code > blue) |  |
| d. yes || no |  |
| e. no && true |  |
| f. !(yes && no) |  |
| g. (yes || (no && (blue > red))) || (grade <= 100) |  |
| h. (amount <= hiVal) && (amount >= loVal) |  |
| i. (amount <= hiVal) || (amount >= loVal) |  |
| j. ((amount + 10000) <= hiVal) || (amount >= loVal) |  |
| k. (code < red) || no |  |

1. Do the Checkpoint 3.20 and 3.22.

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| 3.20 |

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| 3.22 |

Part 4: Individually, write code to solve Programming Problem #8. Then compare your answers and come up with what you believe is the “best” answer.

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