**PRACTICAL 1**

**Compute the following**:

1. (123 - 45) / 4 + 4 \* (72 / 2.34 - 3)

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| Solution: |

1. (((20\*3)-14)^3)

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| Solution: |

1. Absolute value of -88

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| Solution: |

1. Base 10 logarithm of 72

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| Solution: |

1. Round the square root of 50 to the fourth decimal

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| Solution: |

1. e^1.45 - 2.612

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| Solution: |

1. Assign a variable year\_born to 1984
2. Assign a variable year\_current to 2014
3. Assign a variable age and compute it
4. Return True / False if person is eligible to vote in US (if age is greater than or equal to 18)

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| Solution: |

1. Given: formula for area of circle is pi\*r2 Given: Area = 100
2. Write statement to find r. (Hint: utilize “sqrt” and “pi” functions)

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| Solution: |

1. Given: went to lunch and pre-tax bill was $45.90
2. Compute subtotal: add NYC tax of 8.875%
3. Compute 15% tip on subtotal
4. Compute 20% tip on subtotal

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| Solution: |

1. Assign a variable customers to 500
2. Assign a variable pizza\_price to $20
3. Assign a variable todays\_revenue (customers \* pizza\_price) and compute today’s revenue
4. Is today’s revenue greater than yesterday’s revenue of $7,000 and less than tomorrow’s projected revenue of $11,000? Show the code that would answer the following question.

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| Solution: |

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