**Homework 8**

1. **Gaussian noise, amplitude = 10**

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| Gaussian noise, amplitude = 10, SNR = 13.602 | |
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| Box\_3x3, SNR = 17.759 | Box\_5x5, SNR = 14.867 |
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| Median\_3x3, SNR = 17.682 | Median\_5x5, SNR = 16.009 |
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| Opening-then-closing, SNR = 13.218 | Closing-then-opening, SNR = 13.587 |

1. **Gaussian noise, amplitude = 30**

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| Gaussian noise, amplitude = 30, SNR = 2.817 | |
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| Box\_3x3, SNR = 10.782 | Box\_5x5, SNR = 11.756 |
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| Median\_3x3, SNR = 10.874 | Median\_5x5, SNR = 16.009 |
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| Opening-then-closing, SNR = 11.047 | Closing-then-opening, SNR = 7.722 |

1. **Salt and Pepper noise, threshold = 0.05**

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| Salt and Pepper noise, threshold = 0.05, SNR = 0.896 | |
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| Box\_3x3, SNR = 9.388 | Box\_5x5, SNR = 11.071 |
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| Median\_3x3, SNR = 19.157 | Median\_5x5, SNR = 16.319 |
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| Opening-then-closing, SNR = 5.675 | Closing-then-opening, SNR = 5.138 |

1. **Salt and Pepper noise, threshold = 0.10**

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| Salt and Pepper noise, threshold = 0.10, SNR = -2.086 | |
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| Box\_3x3, SNR = 6.387 | Box\_5x5, SNR = 8.580 |
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| Median\_3x3, SNR = 15.038 | Median\_5x5, SNR = 15.658 |
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| Opening-then-closing, SNR = -2.125 | Closing-then-opening, SNR = -2.600 |

SNR Output:

