1. a)

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b)

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2. a)A close up of text on a whiteboard

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b)

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c)

Advantage: MDRNNs are more robust to input warping than convolution networks (Multi-Dimensional Recurrent Neural Networks)1 and capable of modeling long-term sequential dependencies. (Recent Advances in Recurrent Neural Networks)2

Disadvantage: It has higher computational complexity science it uses LSTM. (Recent Advances in Recurrent Neural Networks)

3. a)

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1. <https://arxiv.org/pdf/0705.2011.pdf>
2. https://arxiv.org/pdf/1801.01078.pdf

b)

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