(a) How do current methods for computer vision that use ConvNets (convolution neural  
networks) defer from previous methods.

Took a CNN and scaled it up to make it much bigger. They trained it on a much bigger data set on GPUs and things ended up working extremely well.

(b) Name three applications of ConvNets.

Image Recognition, AlphaGo, Self-driving cars

(c) Name the four commonly used types of layers in ConvNets.

Convolutional Layers, ReLU, Pooling layer, Fully Connected layer

(d) Generally speaking, do ConvNets have more or fewer parameters than feed-forward networks. Explain.

More. In the filters, ConvNets need lots of parameters to run. Since it needs many different filters in one layer, the total number is really large.