Math 111 F09N02 - Quiz 2	Name:
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(1) [8 points] A candy company sells candies for \$8 per box. Each box contains 50 candies and is made up of two varieties of candies. Variety A costs \$0.10 per candy to produce, while variety B costs \$0.20 per candy to produce. How many of each variety should a box of candies contain so that the production cost per box equals the sale price?

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(2) [7 points] The supply equation for a good is S = 2p + 5. At price p = \$1 the demand is D = 19. Assuming a linear demand equation and a market price of p = \$3, determine the demand equation.