1 1.	Suppose you are running a sliding window detector to find
point	text in images. Your input images are 1000x1000 pixels. You
	will run your sliding windows detector at two scales, 10x10
	and 20x20 (i.e., you will run your classifier on lots of 10x10
	patches to decide if they contain text or not; and also on
	lots of 20x20 patches), and you will "step" your detector by 2
	pixels each time. About how many times will you end up
	running your classifier on a single 1000x1000 test set image?
	1,000,000
	250,000
	500,000
1 point 2.	Suppose that you just joined a product team that has been
	developing a machine learning application, using $m=1,000$
	training examples. You discover that you have the option of
	hiring additional personnel to help collect and label data.
	You estimate that you would have to pay each of the labellers
	\$10 per hour, and that each labeller can label 4 examples per
	minute. About how much will it cost to hire labellers to
	label 10,000 new training examples?
	\$600 \$400
	\$250
	\$10,000
1 point 3.	What are the benefits of performing a ceiling analysis? Check all that apply.
	If we have a low-performing component, the ceiling analysis can tell us if
	that component has a high bias problem or a high variance problem.
	It helps us decide on allocation of resources in terms of which component in a machine learning pipeline to spend more effort on.
	It can help indicate that certain components of a system might not be worth a significant amount of work improving, because even if it had perfect
	performance its impact on the overall system may be small.
	It is a way of providing additional training data to the algorithm.
1 4.	recognizes that image as either containing a car ($y=1$) or not ($y=0$). For example,
	here are a positive example and a negative example:
	Positive example $(y=1)$ Negative example $(y=0)$ After carefully analyzing the performance of your algorithm, you conclude that you need more positive $(y=1)$ training examples. Which of the following might be a good way to get additional positive examples?
	Apply translations, distortions, and rotations to the images already in your
	Colors two car images and average them to make a third example
	Select two car images and average them to make a third example. Take a few images from your training set, and add random, gaussian noise to
	every pixel.
	Make two copies of each image in the training set; this immediately doubles your training set size.
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Entiendo que	Suppose you have a PhotoOCR system, where you have the following pipeline: Image

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