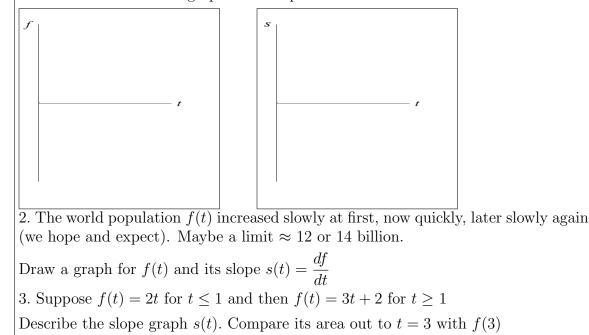
Practice Questions

1. Draw a graph of f(t) that goes up and down and up again. Then draw a reasonable graph of its slope.



4. Draw a graph of f(t) = cos t. Then sketch a graph of its slope. At what angles t is the slope zero (slope = 0 when f(t) is "flat").
5. The graph of f(t) is shaped like the capital letter W. Describe the graph of s(t) = df/dt. What is the total area "under" the graph of s?
6. A train goes a distance f at constant speed s. Inside the train, a passenger walks forward a distance F at walking speed S.
What distance does the passenger go? At what speed? (Measure from train station).

Resource: Highlights of Calculus Gilbert Strang

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