12 Jan is using a map to plan a two-day hiking trip. The scale for the map she is using is shown below.

Scale
1 inch : $\frac{1}{2}$ mile

a. The distance that Jan will hike on the first day is equal to 12 inches on the map. What is the actual distance, in miles, that Jan will hike on the first day? Show or explain how you got your answer.

b. The actual distance that Jan will hike on the second day is $5\frac{1}{2}$ miles. What distance on the map, in inches, represents $5\frac{1}{2}$ miles? Show or explain how you got your answer.

c. Based on the scale Jan used, how many feet are represented by 1 inch on the map? Show or explain how you got your answer. (1 mile = 5280 feet)