8th Grade Math
Unit: Proportions
CFA 8.9B

Name_____
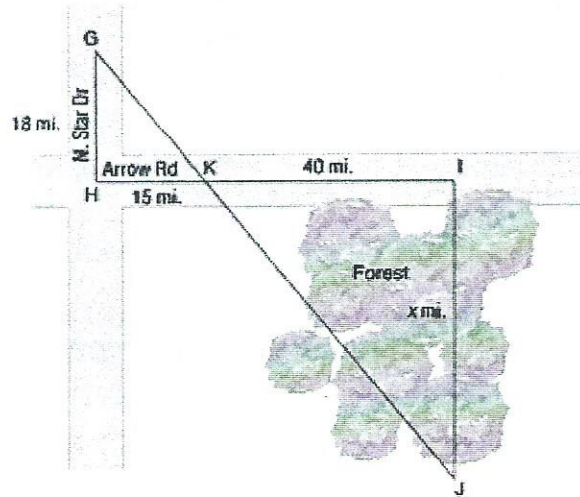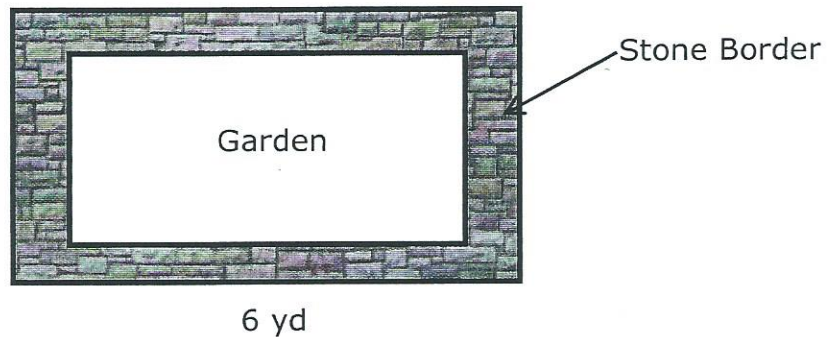Date_____
Period_____

1 In the figure below $\triangle GHK$ is similar to $\triangle JIK$. What is the distance across the forest, x.
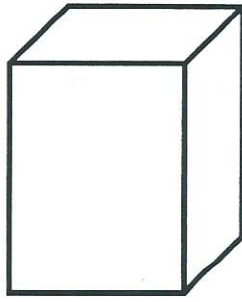

A $33\dfrac{1}{3}$ miles

B 43 miles

C 48 miles

2 William is creating a rectangular vegetable garden in his backyard. The garden will have a similar rectangular stone border to keep grass from growing in the garden.
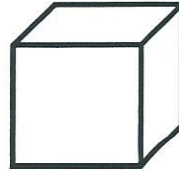

How much area is available for the stone border?

A 15 yd^2 **C** 27 yd^2

B 18 yd^2 **D** 36 yd^2

3 The two rectangular prisms below are similar.

18.2 in. x

What is the approximate value of x, the length of the smaller prism?

A 27.5 in.

B 14.6 in.

C 13.2 in.

D 12.8 in.