Trig Word Problem

1. There is a ramp that is twenty feet long and it rises to a platform that is 18 feet off the ground.

Draw a picture of the situation.

1. Find the length of the third side \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Find the angle of elevation \_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the missing angle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. A kite has a string that is 400 feet long. If the string makes an angle 42o with the ground

Draw a picture of the situation

1. Find the height of the kite
2. Use the cosine function to find the missing side (how far away is he kite from you horizontally)