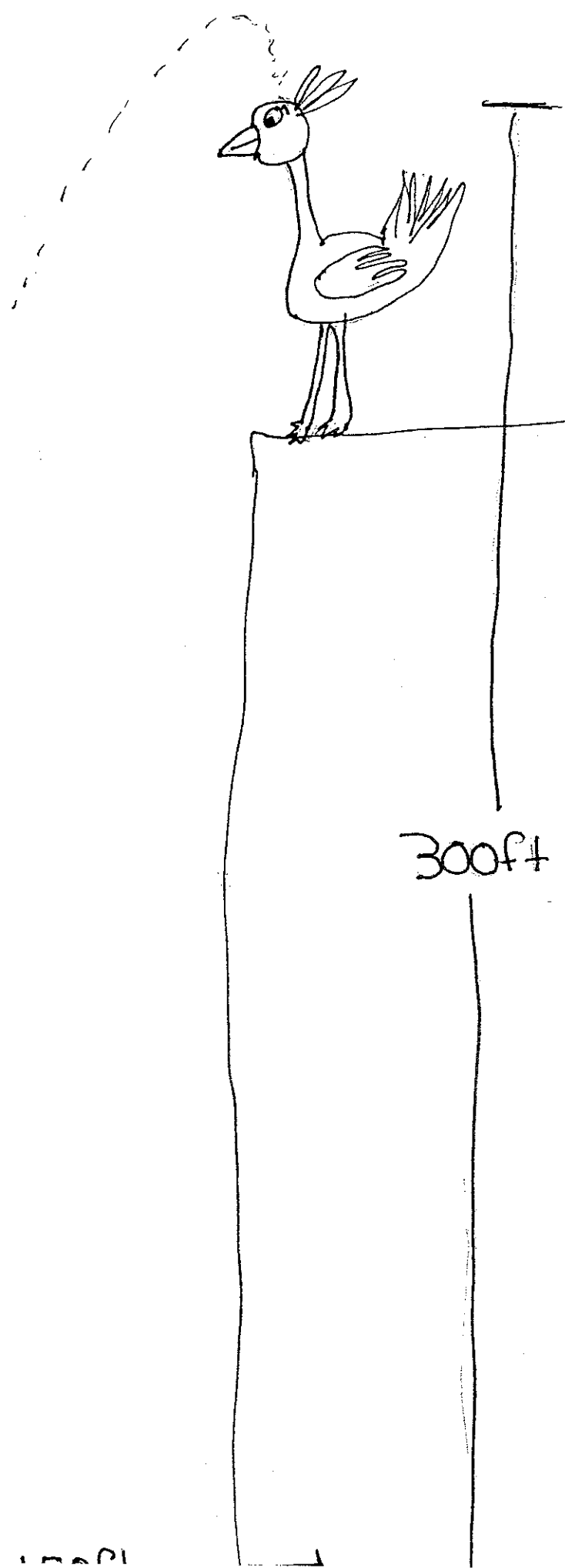
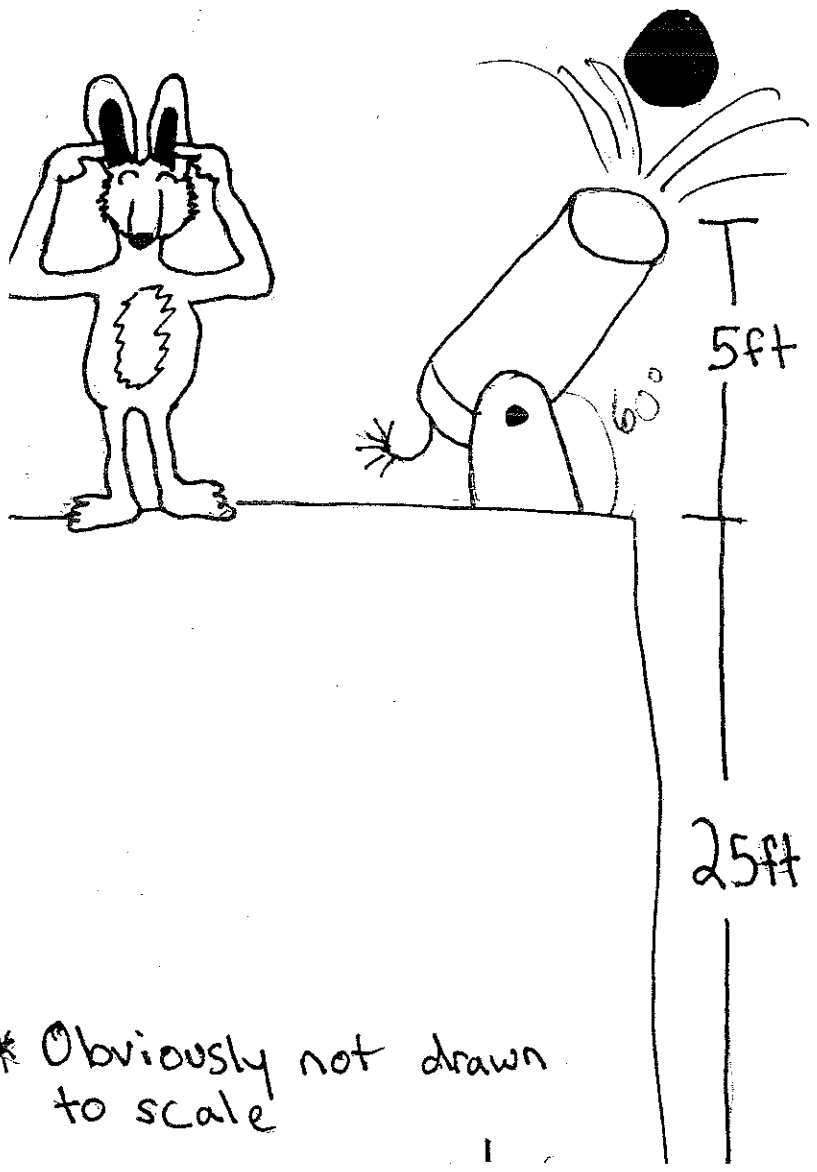


Name _____

Wile E Coyote sets up a 5 ft tall cannon on a cliff that is 25 ft high. He spots the roadrunner on another cliff much higher than his. He calculates that the total height of the roadrunner and the cliff is 300 ft.

If Wile E shoots the cannon at an angle of 60 degrees and the cannon ball has an initial velocity of 200 ft/sec, will Wile E hit the roadrunner?



* Obviously not drawn to scale