

Quiz 4 – MATH 1540 Spring 2023

Answer the following questions. Answers in terms of the trigonometric functions are expected (no calculator is needed).

1. A 7 feet long ladder leans against a wall and makes an angle of  $25^\circ$  with the ground. How high is the top of the ladder from the ground?

2. A 5 feet long ladder leans against a wall and makes an angle of  $17^\circ$  with the ground. How far away from the wall is the bottom of the ladder?