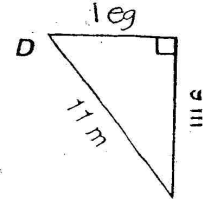
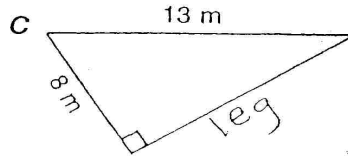
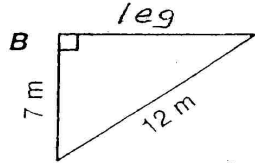
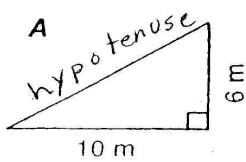


Using the Pythagorean Theorem.

① For each right triangle, find the length of the side that is not given:

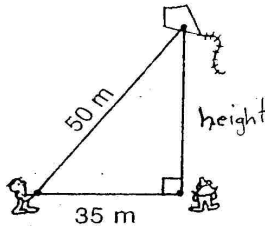


Draw your own diagram for 4 + 5.

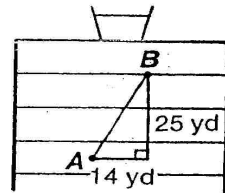
② The bases on a baseball diamond are 90 feet apart. How far is it from home plate to second base?

⑤ An 18-foot ladder is leaned against a wall. If the base of the ladder is 8 feet from the wall, how high up on the wall will the ladder reach?

③ Orgo has let out 50 meters of kite string when he observes that his kite is directly above Zorna. If Orgo is 35 meters from Zorna, how high is the kite?

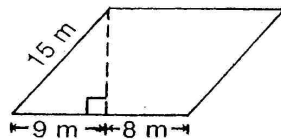


⑥ A quarterback at point A throws the football to a receiver who catches it at point B. How long was the pass?



④ A What is the height of this parallelogram?

B What is the area of the parallelogram?



⑦ From Canoeville it is 2.4 kilometers to White Beach and 3.0 kilometers to the Lodge. How far is it from White Beach across the lake to the Lodge?

