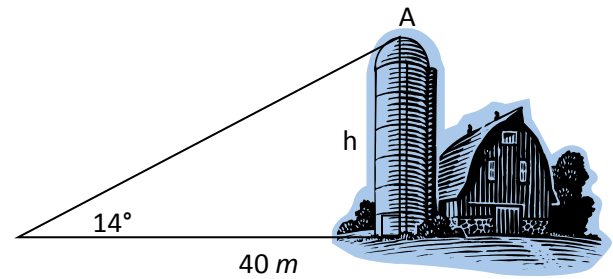
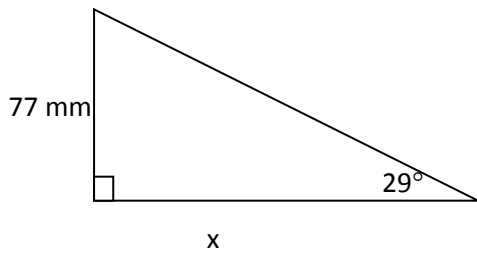


Trigonometric Ratios

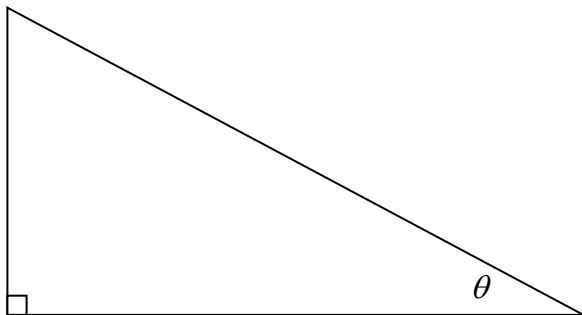
Warm up

Use the tangent ratio to solve for the missing side in each triangle below.

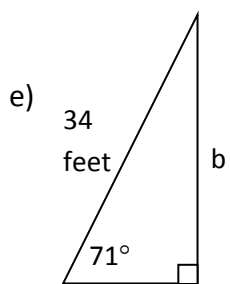
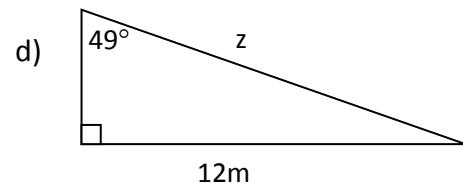
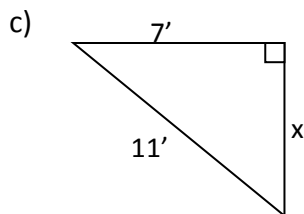
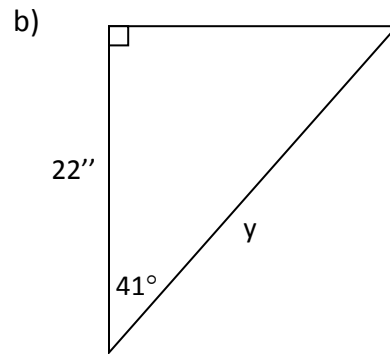
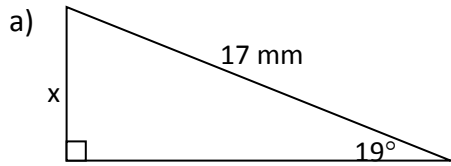


The Primary Trigonometric Ratios

Besides the tangent ratio, two other primary ratios that exist.



Examples – Solve for the missing side in each triangle below.

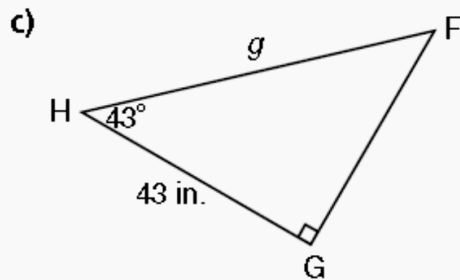
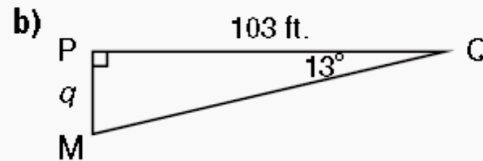
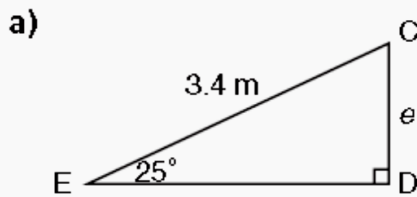


f) In triangle ABC, $A = 90^\circ$, $B = 43^\circ$ and $b = 3.8$ cm. Find the length of side a .

SOH CAH TOA – Practice

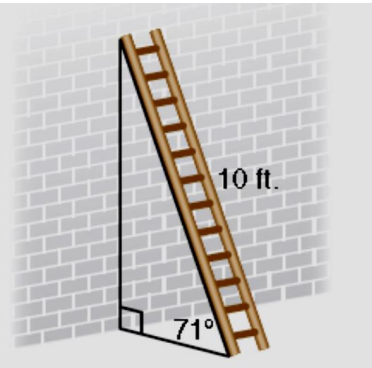
MPM2D

- Text page 338 #6, 7
- Text page 344 #6, 7
- Find the missing side (as indicated by the variable) in each triangle below.



- A ladder 10 feet long is leaning against a wall at a 71° angle.

 - How far from the wall is the foot of the ladder?
 - How high up the wall does the ladder reach?



- Text page 390 #3 - 5

ANSWERS

3. a) 1.4m b) 24 ft c) 59 inches 4. a) about 3 ft b) about 9 ft