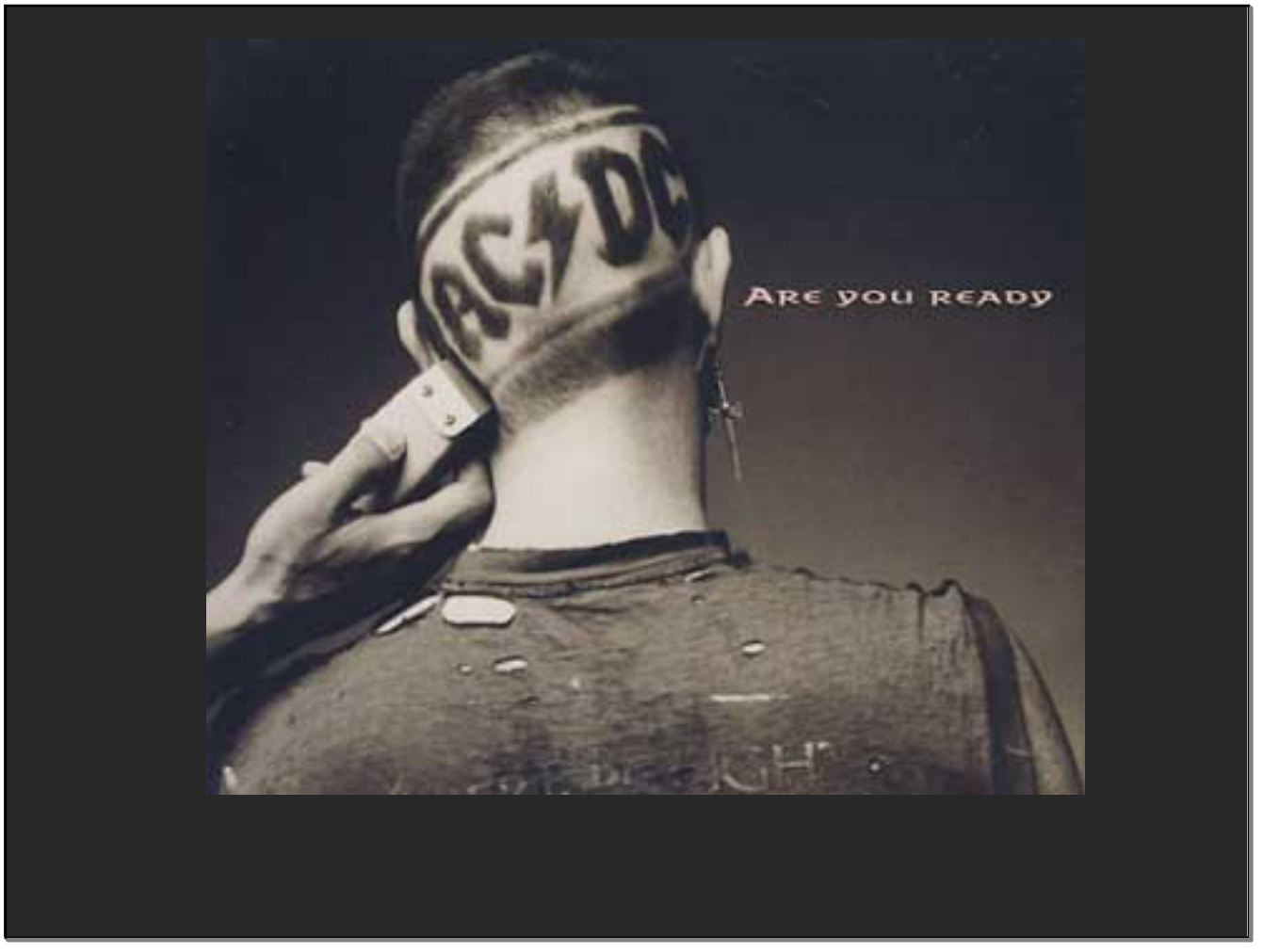
December 2, 2019



In Class:

4.1.2 4-11 to 4-15

Home Work:

Finish the slope ratio table.

Textbook 4-16 to 4-20

All 26 letters of the English alphabet were evenly spaced on a circular path. A rabbit hopped onto the circular path at A and continued hopping, skipping two letters at a time, so that the next three letters to which it hopped were D, G, and J. If the rabbit stopped the first time it had hopped onto every letter once, then what was the last letter the rabbit landed on.

What do you remember?

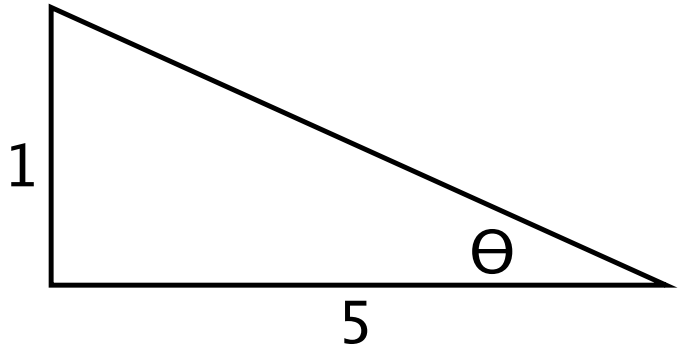
What angle has a slope ratio of 1/5?

What slope ratio has an angle of 22^{o}?

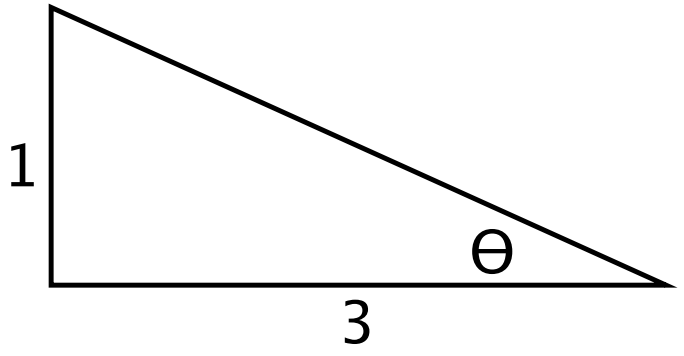
What angle has a slope ratio of 1?

What slope ratio has an angle of 18^{o}?

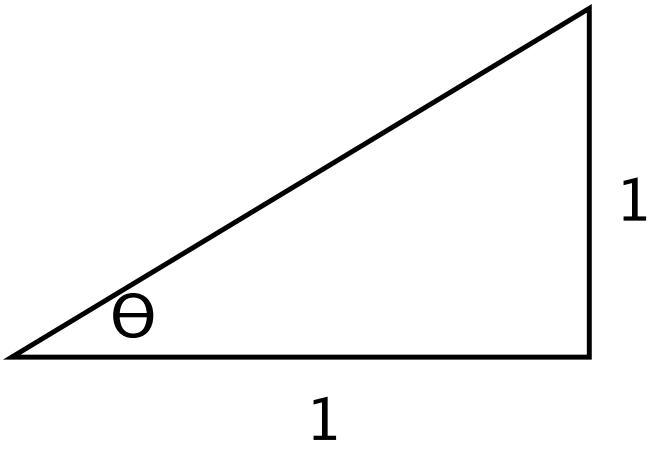
Find Θ



Find Θ

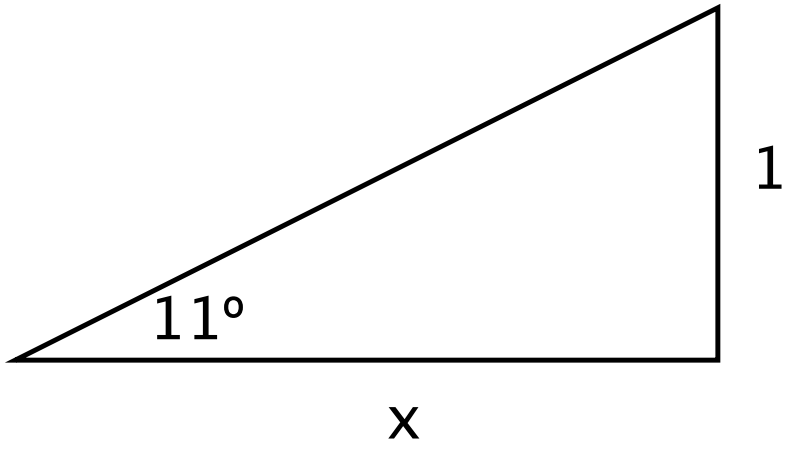


Find Θ



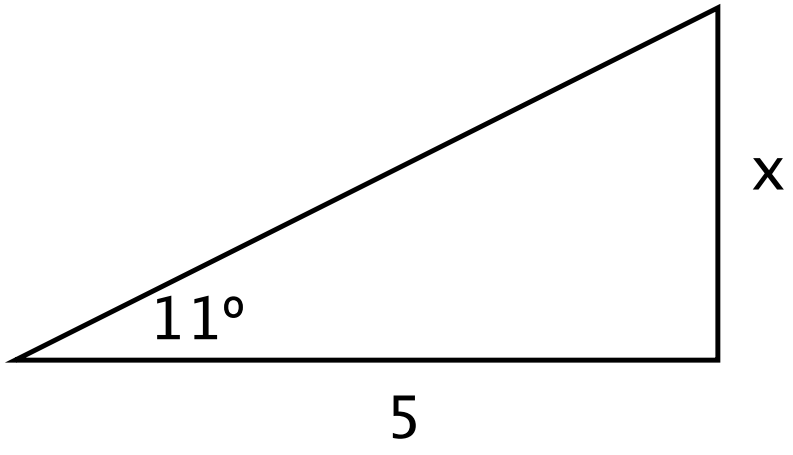
December 2, 2019

Find x



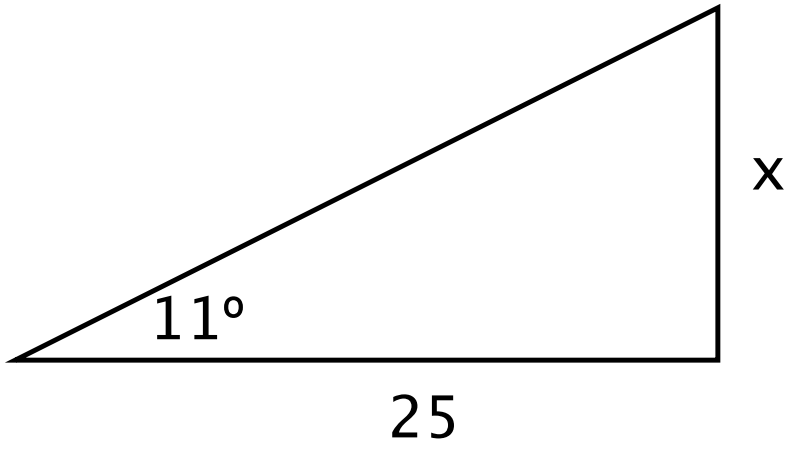
December 2, 2019

Find x



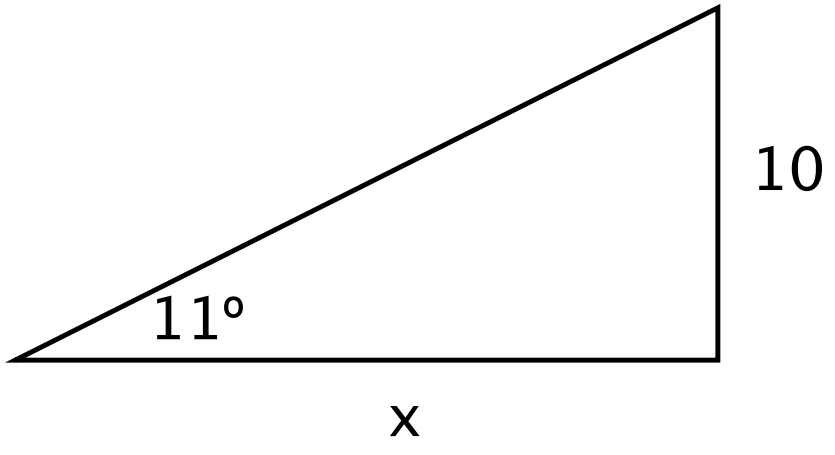
December 2, 2019

Find x



December 2, 2019

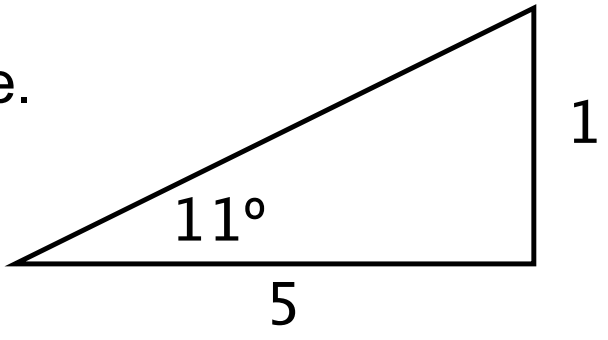
Find x



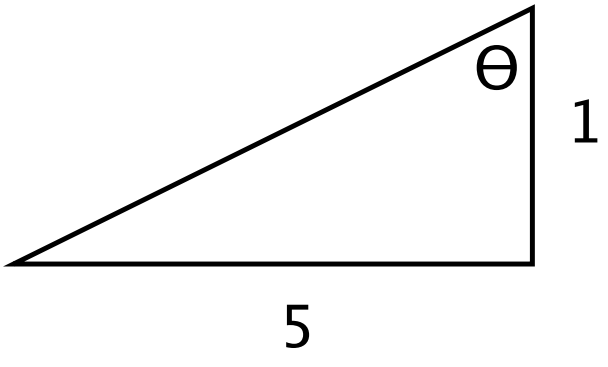
Angle (approx.)	Slope Ratio
11º	
22º	
	1/3
	1

Fill out your temporary trig table.

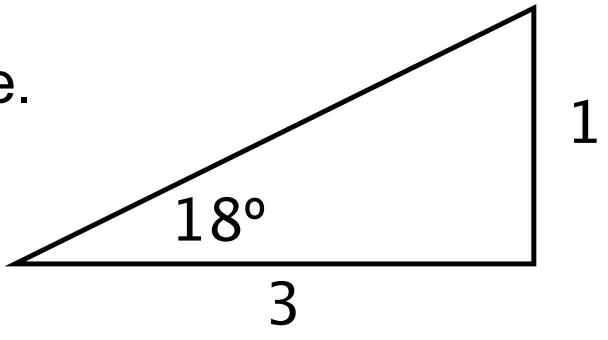
We know this is true.



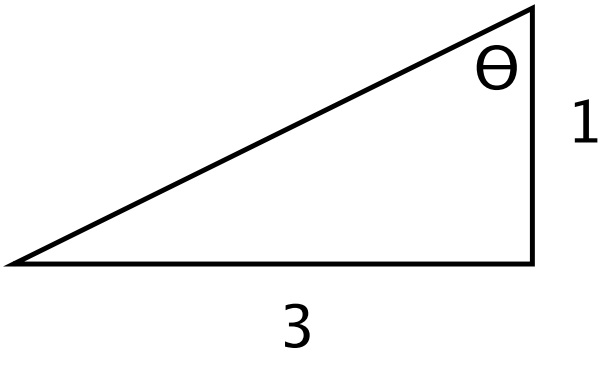
So what is Θ in this triangle?



We know this is true.



So what is Θ in this triangle?



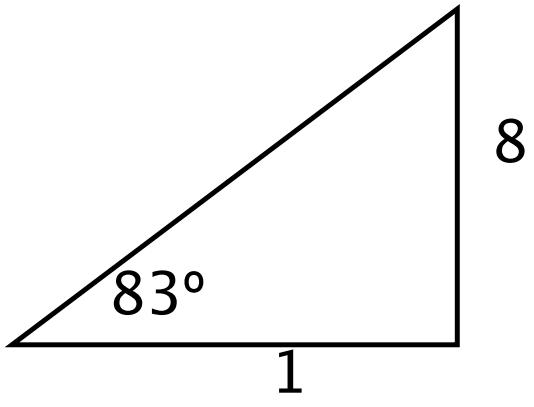
Using the properties of reciprocals, what else can you fill out in your temporary trig table?

Since reciprocal slope ratios give complementary angles,

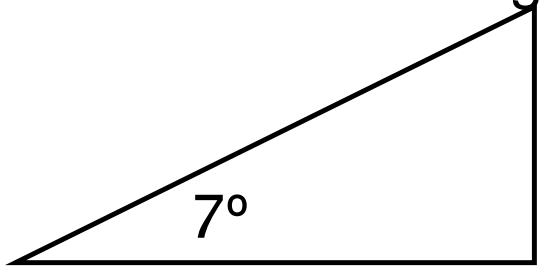
it is also true that:

Complementary angles give reciprocal slope ratios.

If this is true:



So what is the slope ratio in this triangle?



How can you find the slope ratios of the remaining angles in your temporary trig table?

Home Work:

Finish the slope ratio table.
Textbook 4-16 to 4-20

December 2, 2019