

Stations 9.1 – 9.3:

- 9 mins at each station
- Does not matter where you begin, but then you go in order and rotate every 9 mins when the alarm goes off.
- Cannot start if there are not enough chairs at that station
- Work diligently to get done
- Tomorrow will be a work day in class for these sections book homework

Station 1: Vocab for sections 1 - 3

Station 2: Videos for Pythagorean Theorem with mini quiz

Station 3: 45-45-90 with mini quiz

Station 4: 30-60-90 with mini quiz

Station 5: Geometric Mean (Altitude& Leg) Theorem with mini quiz

Station 1: write a definition in your own words and draw or name and example.

Word	Definition	Example
Pythagorean Triple:		
Right Triangle:		
Legs of a Right Triangle:		
Hypotenuse:		
Isosceles Triangle:		
Geometric Mean:		
Altitude of a Triangle:		
Similar Figures:		

Station 1: Define all eight words in your own words and either draw an example or write an example.

These are worth 20 points.

Pythagorean Triple:
Right Triangle:
Legs of a Right Triangle:
Hypotenuse:

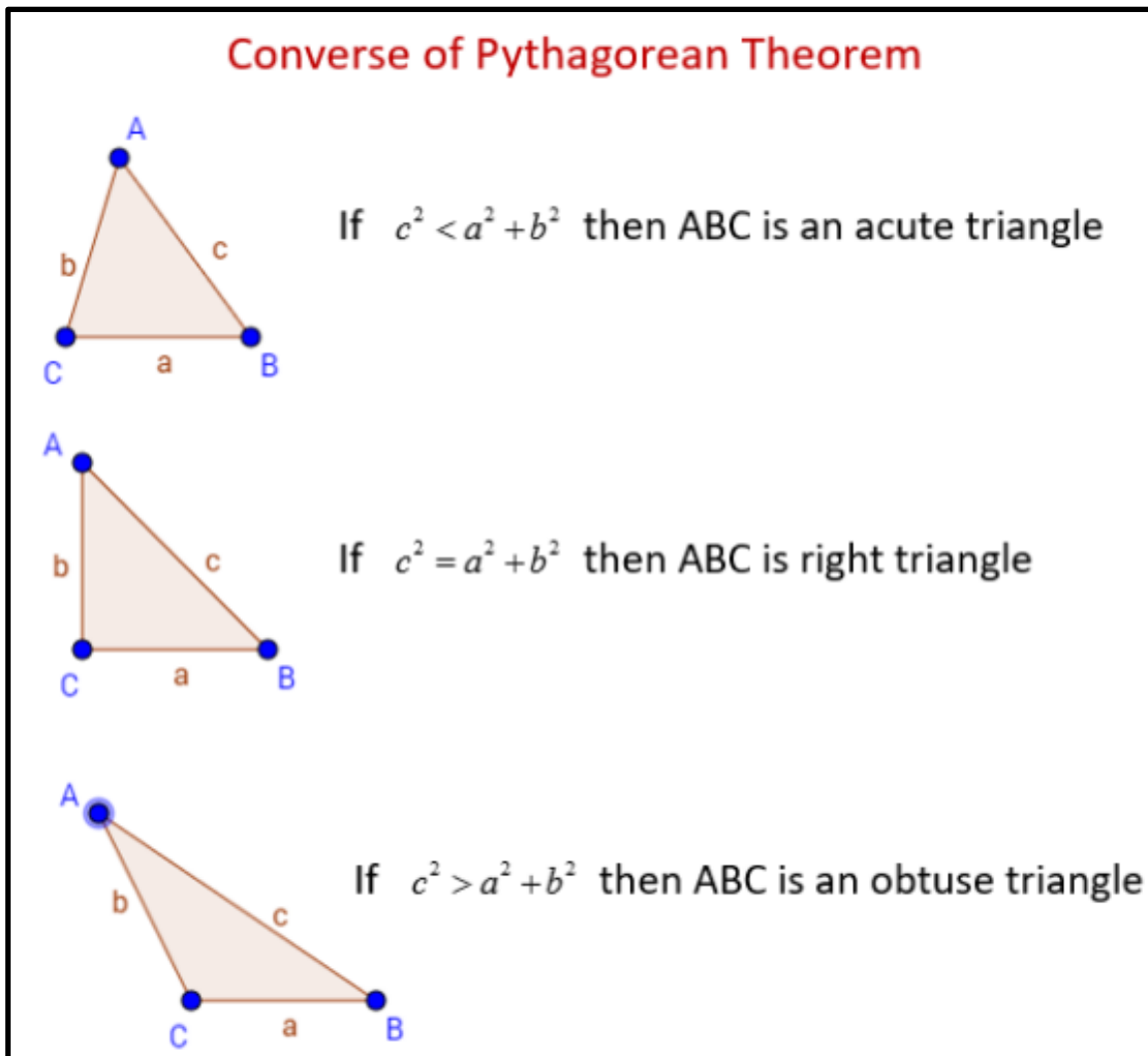
Isosceles Triangle:
Geometric Mean:
Altitude of a Triangle:
Similar Figures:

Station 2: 9.1 Pythagorean Theorem

Watch the video links first on your Chromebook (be sure to use headphone or ear buds).

Pythagorean Inequality Theorem: <https://tinyurl.com/t2dwa62>

Pythagorean Triples: <https://tinyurl.com/yd8gur78>



Mini Quiz: Then answer the questions on this link correctly to earn your 20 points.

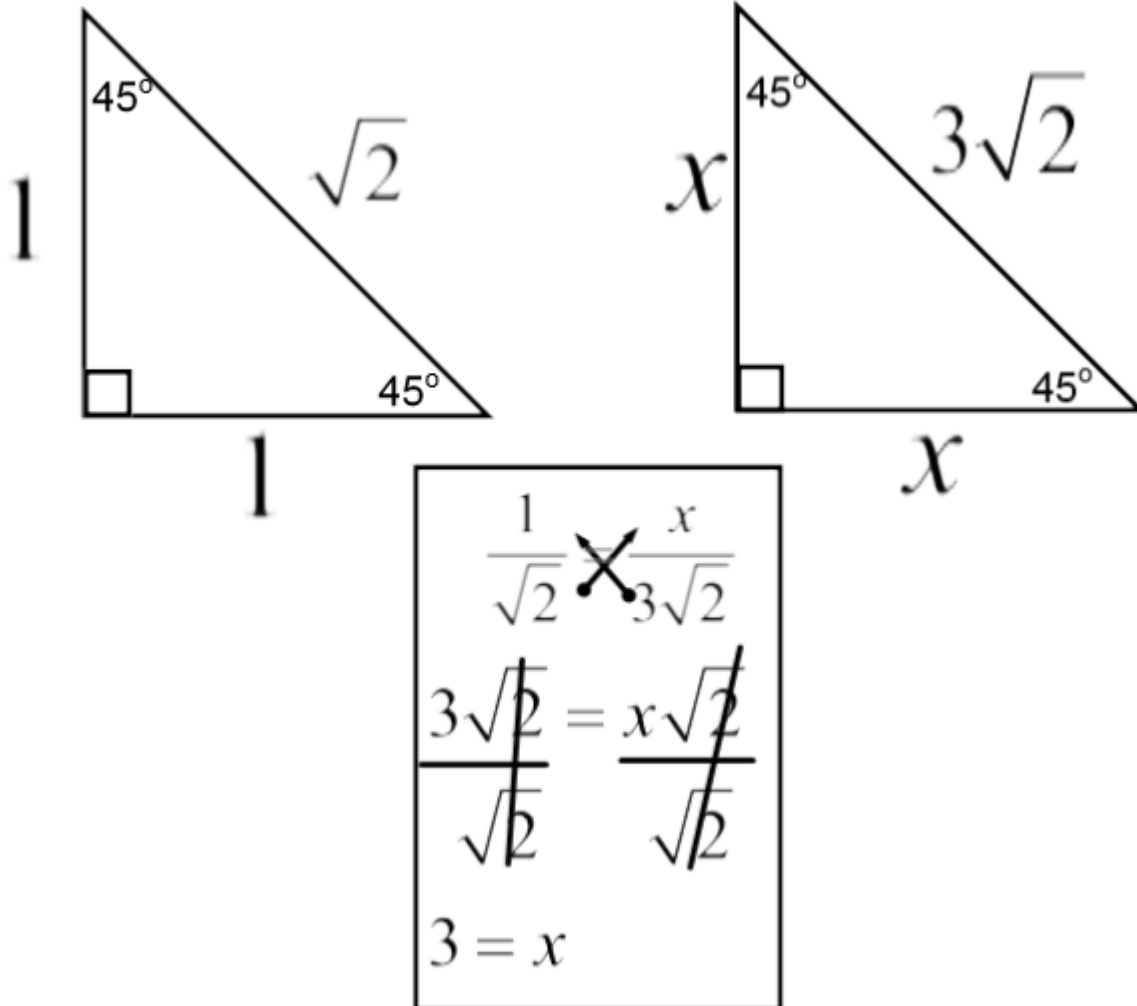
<https://goo.gl/forms/q4tE8gFnzPg3whGP2>

Station 3: 9.2 $45^\circ - 45^\circ - 90^\circ$ Triangles

Watch the video first (No one else should be able to hear your video playing!).

<https://tinyurl.com/y9ldgum8>

Another method is to set up proportions and solve for the variable using cross multiplication.



Mini Quiz: Then answer the questions on this link correctly to earn your 20 points.

<https://forms.gle/B47RouNGRzMgYSx6A>

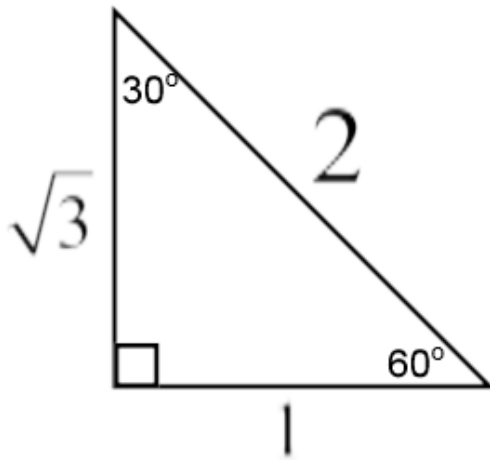
Station 4: 9.2 $30^\circ - 60^\circ - 90^\circ$ Triangles

Watch the video first (No one else should be able to hear your video playing!).

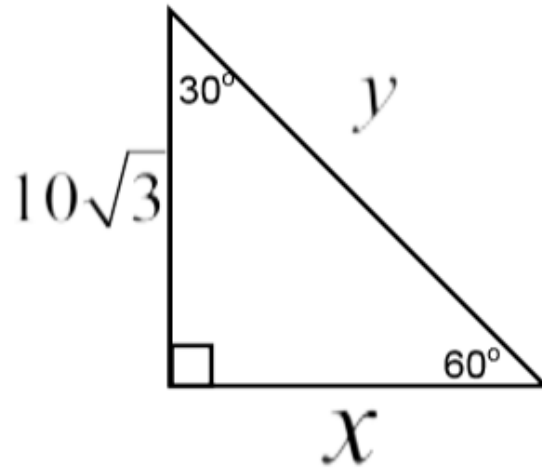
<https://tinyurl.com/ycvovzgj> (3:01 mins)

<https://tinyurl.com/pq36bt2> (3:11 mins)

Another method is to set up proportions and solve for the variable using cross multiplication.



$$\frac{1}{\sqrt{3}} \cancel{\times} \frac{x}{10\sqrt{3}}$$
$$10\sqrt{3} = x$$



$$\frac{10\sqrt{3}}{y} \cancel{\times} \frac{\sqrt{3}}{2}$$
$$\frac{20\sqrt{3}}{\sqrt{3}} = \frac{y\sqrt{3}}{\sqrt{3}}$$
$$20 = y$$

Mini Quiz: Then answer the questions on this link correctly to earn your 20 points.

<https://goo.gl/forms/HjOHVihfY8RkLWz92>

Station 5: 9.3 Similar Right Triangles

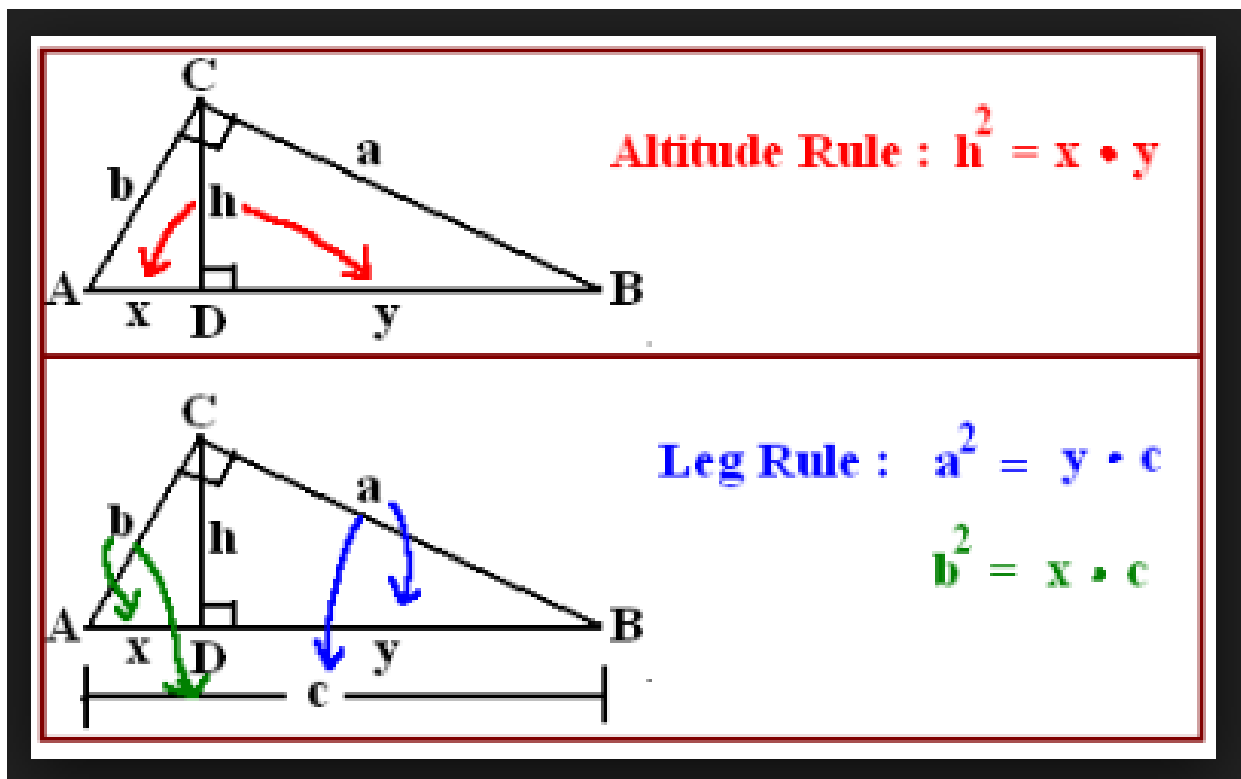
Watch these two videos before answering the mini quiz.

Altitude Thm: <https://tinyurl.com/ycs79szh> (30 sec)

Leg Thm: <https://tinyurl.com/y753sgj9> (30 sec)

Both Thms: <https://tinyurl.com/y8nnjc5t> (4:09 min)

Theorems:



Mini Quiz: Then answer the questions on this link correctly to earn your 20 points.

<https://goo.gl/forms/qcUbizszTGG4PQRs2>

Name _____ Date _____ Pd _____

9.1 – 9.3 Stations NOTES

This is your notes for these sections. 9 mins at each station. Watch videos, take notes, and complete the mini quiz. The mini quizzes add to a daily grade at the end of the period.

Station 1:

Word	Definition	Example
Pythagorean Triple:		
Right Triangle:		
Legs of a Right Triangle:		
Hypotenuse:		
Isosceles Triangle:		
Geometric Mean:		
Altitude of a Triangle:		
Similar Figures:		

Station 2: 9.1 Pythagorean Theorem

Formula: _____ When is the only time you can use this theorem?

List the triples:

Station 3: 9.2 $45^\circ - 45^\circ - 90^\circ$ Triangles

Draw the original triangle and label it.

Choose your favorite method and write an example below!

Station 4: 9.2 $30^\circ - 60^\circ - 90^\circ$ Triangles

Draw the original triangle and label it.

Choose your favorite method and write an example below!

Station 5: 9.3 Similar Right Triangles

First theorem: _____

Second Theorem: _____

Formula: _____

Formula: _____

Example:

Example: