

Right Triangles & Trigonometry

How many ways to prove Pythagorean thm? <https://www.youtube.com/watch?v=YompsDIEdtc>

Pythagorean Thm:

https://www.youtube.com/watch?annotation_id=annotation_3293135783&feature=iv&src_vid=ku4rEwRxZOc&v=uthjpYKD7Ng

Pythagorean Triples: <https://www.youtube.com/watch?v=F9YtVqyps1s>

Pythagorean Inequality Thm: <https://www.youtube.com/watch?v=ZYKTA-5aAeQ>

Special Right Triangles:

<https://www.youtube.com/watch?v=qHrU8ywZN7Y>

<https://www.youtube.com/watch?v=D4DMvjTRXeI>

45-45-90: <https://www.youtube.com/watch?v=tSHitjFljd8>

30-60-90: <https://www.youtube.com/watch?v=Qwet4clpnCM>

Geometric mean: <https://www.youtube.com/watch?v=UdGUULKN-E>

Right Triangle Similarity Thm: <https://www.youtube.com/watch?v=kMbC4aTJtAQ>

Geometric Mean (Altitude) Thm: https://www.youtube.com/watch?v=cWOUZp_UHk

Geometric Mean (Leg) Thm: <https://www.youtube.com/watch?v=e15GF1af6VA>

Checklist for using trig ratios and right triangles: <https://www.youtube.com/watch?v=6i9P09gESZQ>

Trigonometric Ratios-SohCahToa: <https://www.youtube.com/watch?v=VRz2d5yedsg>

Angle of Elevation & Depression: <https://www.youtube.com/watch?v=6eB5xdfzydE>

Trig Word Problems:

https://www.youtube.com/watch?annotation_id=annotation_2725862627&feature=iv&src_vid=lovoJ6JEykA&v=EVCO4jqc8Es

Solving Right Triangles: <https://www.youtube.com/watch?v=w4D4KOxFsKA>

Law of Sines: https://www.youtube.com/watch?v=It_bq5DzQ1Q

Law of Cosines: <https://www.youtube.com/watch?v=VTNHGeyR0ow>

Sine Law Ambiguous Case: https://www.youtube.com/watch?v=mpEt5p_D5AA