

## **Congruent Triangles**

Classifying Triangles by SIDES: <https://www.youtube.com/watch?v=mgeyo74x6JE>

Classifying Triangles by ANGLES: <https://www.youtube.com/watch?v=dBH3KOcl1s4>

Classifying Triangles SONG: <https://www.youtube.com/watch?v=bCuxvgCo0Jc>

Triangle Sum Theorem:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_1632132577&feature=iv&src\\_vid=eoe8bpowBK4&v=S1C3Z9SbdG4](https://www.youtube.com/watch?annotation_id=annotation_1632132577&feature=iv&src_vid=eoe8bpowBK4&v=S1C3Z9SbdG4)

Exterior Angle Theorem: <https://www.youtube.com/watch?v=YS2K2SpvVIA&t=26s>

CPCTC: <https://www.youtube.com/watch?v=CgtYgvb0nHU>

Properties of Triangle Congruence: <https://www.youtube.com/watch?v=djD1TzcbTHs&t=122s>

Third Angle Theorem: [https://www.youtube.com/watch?v=20PkVT\\_5mN0](https://www.youtube.com/watch?v=20PkVT_5mN0)

Triangle Congruence Theorems (SAS, ASA, AAS, SSS): <https://www.youtube.com/watch?v=vGuiy7NnJlM>

Hypotenuse Leg Theorem: <https://www.youtube.com/watch?v=-x-raNlGjMo>

NOT SSA: <https://www.youtube.com/watch?v=8jaVoGOWbC0>

Base Angle Theorem:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_410803921&feature=iv&src\\_vid=Tqh7RGWd480&v=zV7aDRMEt9U](https://www.youtube.com/watch?annotation_id=annotation_410803921&feature=iv&src_vid=Tqh7RGWd480&v=zV7aDRMEt9U)

### **Constructing Congruent Triangles using Congruence Theorems**

SSS: <https://www.youtube.com/watch?v=NaAj7sjFXRA>

SAS: <https://www.youtube.com/watch?v=2FPa3-hb-qE>

ASA: <https://www.youtube.com/watch?v=513uLvnSpvU>

AAS: <https://www.youtube.com/watch?v=KXRpA7DbNQY>

HL: <https://www.youtube.com/watch?v=coKphi2nbB8>

### **PROOFS**

Congruent Triangles:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_181483047&feature=iv&src\\_vid=NAhcmP55k9g&v=3V7S803lVQg](https://www.youtube.com/watch?annotation_id=annotation_181483047&feature=iv&src_vid=NAhcmP55k9g&v=3V7S803lVQg)

Parallel Lines with congruent Triangles: <https://www.youtube.com/watch?v=RFesGHsuFZw>

CPCTC: <https://www.youtube.com/watch?v=822wmPzu2bA>

Coordinate proof: <https://www.youtube.com/watch?v=lzwyXoQ1PM>