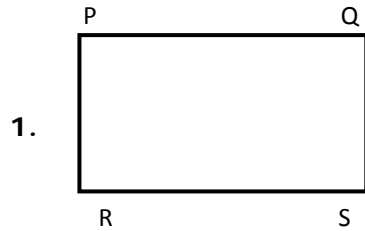


Name: _____

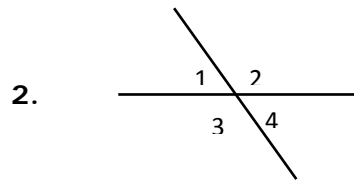
Date _____

Topic: Direct Euclidean Proofs - Worksheet 1

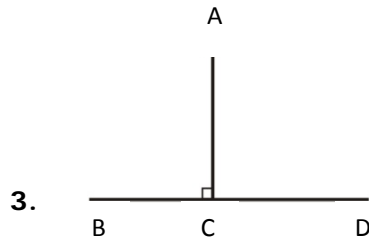


Given $\angle S$ is 90 DEGREES and $PQ=RS$

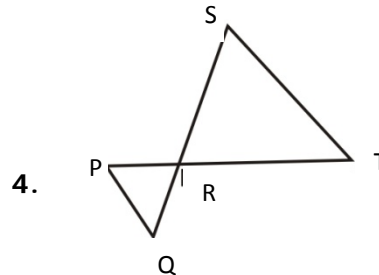
What type of shape is PQSR?



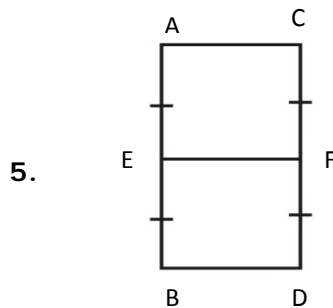
Given $\angle 1 = 45^\circ$. What are the measures of the other angles?



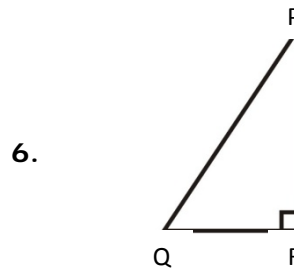
Given AC is \perp to BD. What is the value of $\angle ACB$?



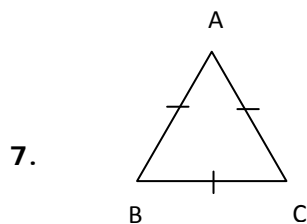
Given $\angle P = \angle S$ and $\angle Q = \angle T$. How are triangles PRQ and SRT related?



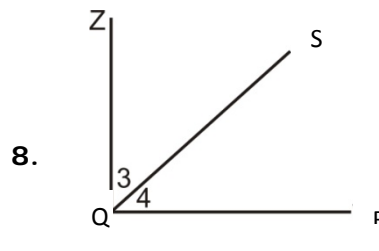
Given $AE = EB$. How does the length of CF compare to FD?



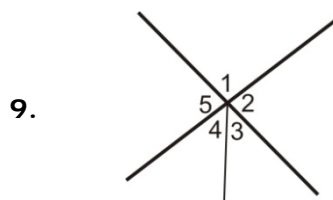
Given $\angle PRQ = 90^\circ$. How are the lengths of the sides related to each other?



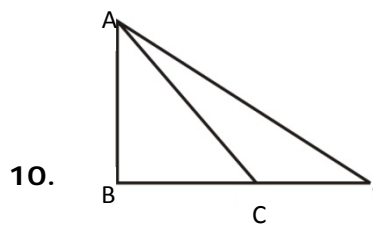
Given $AB = BC = AC$. What type of triangle is ABC?



Given $\angle ZQR = 90^\circ$. SQ is bisector of $\angle Q$. What is the measure of the angles 3 and 4?



Given $\angle 4$ and $\angle 3$ are complementary. What is the measure of angle 2?



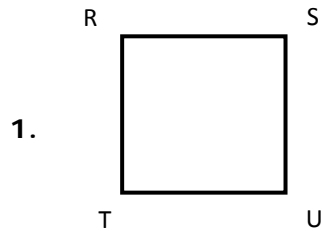
Given AC is median of $\triangle ABD$. How are the lengths of BC and CD related?



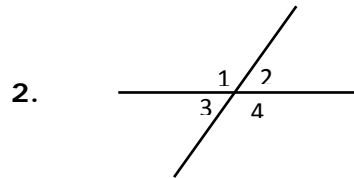
Name: _____

Date _____

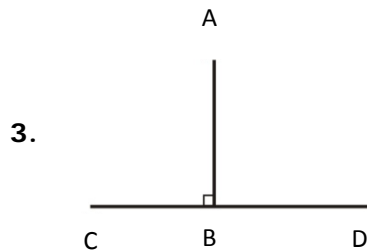
Topic : Direct Euclidean Proofs - Worksheet 2



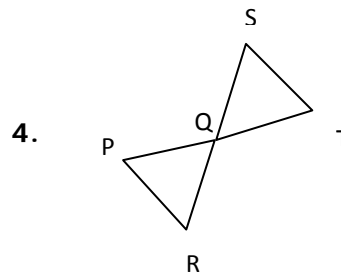
Given $\angle T$ is 90 DEGREES and $RS=SU=TU=RT$
What type of shape is RSTU?



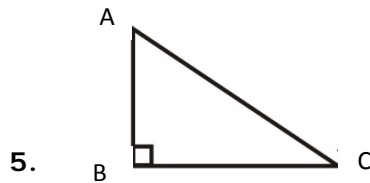
Given $\angle 4 = 135^\circ$.
What are the measures of the other angles?



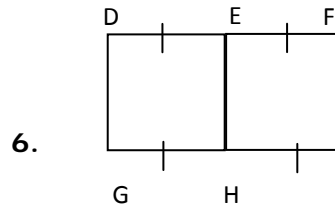
Given AB is \perp to CD.
What is the value of angle ABD?



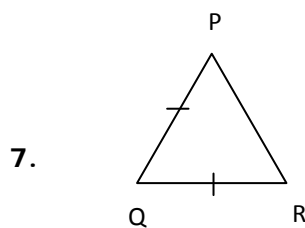
Given lines PT & SR are intersecting at Q
How are triangles PRQ and SRT related?



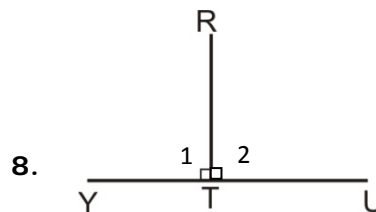
Given $\angle ABC = 90^\circ$.
How are the lengths of the sides related to each other?



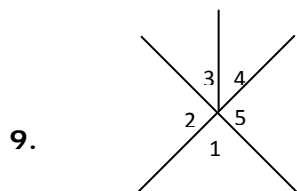
Given $DE = EF$.
How does the length of GH compare to HI?



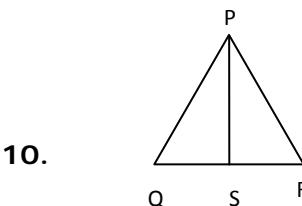
Given $PQ = QR$.
What type of triangle is PQR?



Given $\angle RTY = 90^\circ$
What total measure of the angles 1 and 2?



Given $\angle 1, \angle 2$ are supplementary.
How are angles 3, 4 and 5 related?



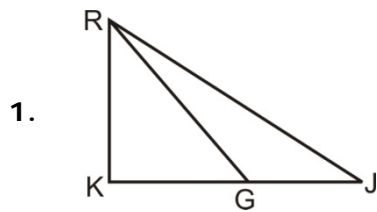
Given PS is median of $\triangle PQR$.
How are the lengths of QS and SR related?



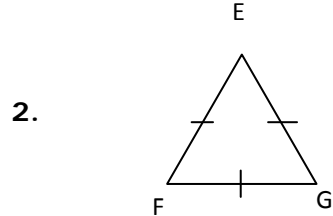
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Date _____

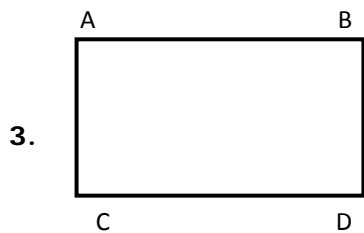
Topic: Direct Euclidean Proofs - Worksheet 3



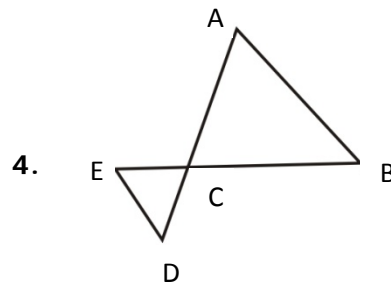
Given RG is median of ΔRJK .
How are the lengths of KG and GJ related?



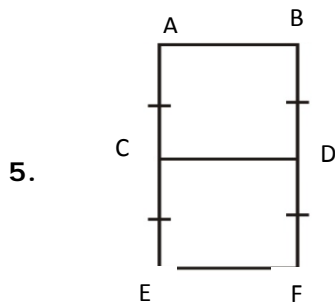
Given $EG = GF = EF$.
What type of triangle is EFG?



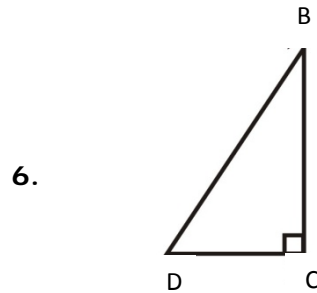
Given $\angle A$ is 90 DEGREES
And $AB = CD$
What type of shape is ABCD?



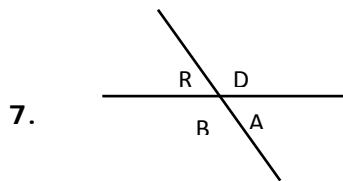
Given lines EB & AD are intersecting at C.
How are triangles ABC and CDE related?



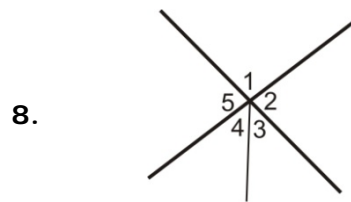
Given $AC = CE$.
How does the length of BD compare to DF?



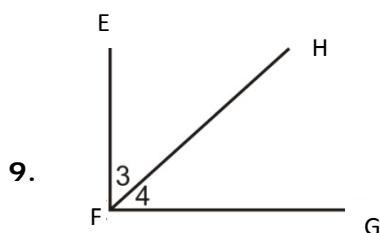
Given $\angle BCD = 90^\circ$.
How are the lengths of the sides related to each other?



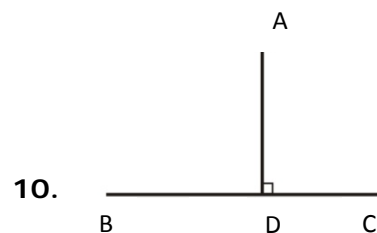
Given $\angle D = 85^\circ$.
What are the measures of the other angles?



Given $\angle 5$ is complementary.
What is the measure of the angles 1 and 2?



Given $\angle EFG = 90^\circ$
What is sum of the measures of angles 3 and 4?



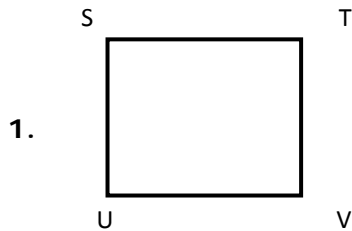
Given AD is \perp to BC.
What is the value of angle ADC?



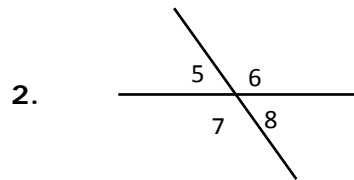
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Date _____

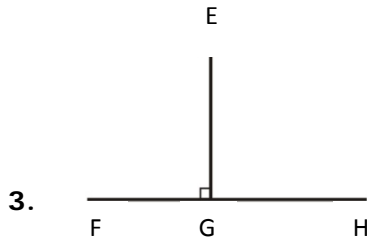
Topic: Direct Euclidean Proofs - Worksheet 4



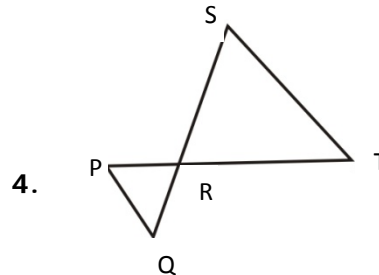
Given $\angle T$ is 90 DEGREES
 $ST=TV=UV=SU$
What type of shape is STUV?



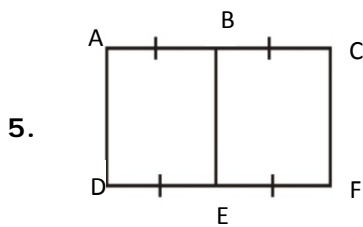
Given $\angle 7 = 65^\circ$.
What are the measures of the other angles?



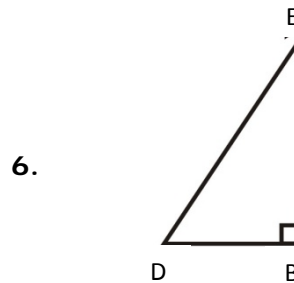
Given EG is \perp to FH.
What is the value of angle EGF?



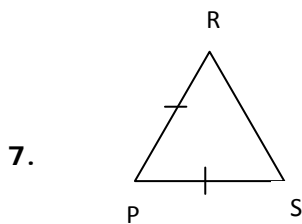
Given lines PT & SQ are intersecting at R.
How are triangles PRQ and SRT related?



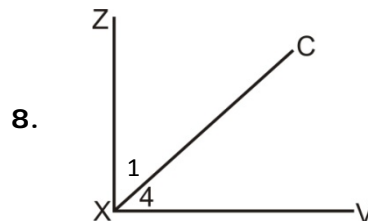
Given $AB=BC$.
How does the length of DE compare to EF?



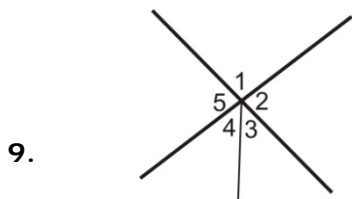
Given $\angle EBD = 90^\circ$.
How are the lengths of the sides related to each other?



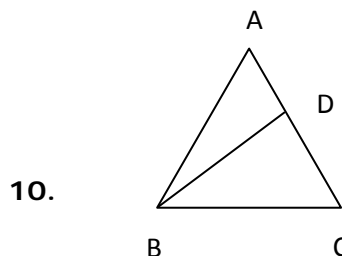
Given $RP = PS$.
What type of triangle is ABC?



Given $\angle ZXV = 90^\circ$.
What is the measure of the angles 1 and 4?



Given $\angle 4, \angle 3$ are complementary.
What are the measures of angles 1 and 2?



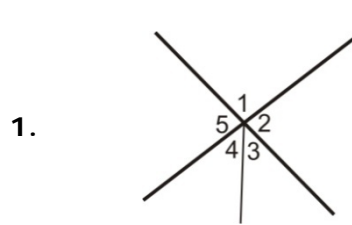
Given BD is median of $\triangle ABC$.
How are the lengths of AD and DC related?



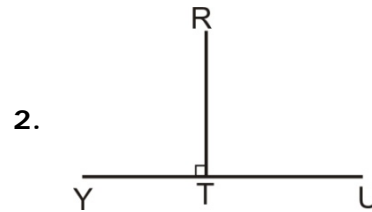
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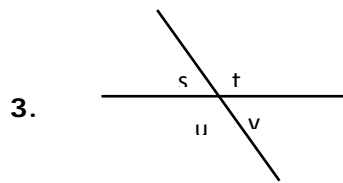
Topic: Direct Euclidean Proofs - Worksheet 5



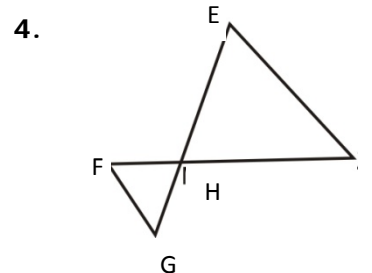
Given $\angle 1, \angle 5$ are supplementary.
How are the other angles related to each other?



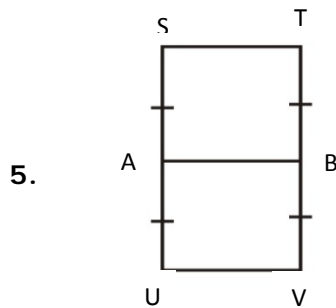
Given RT is \perp to YU
What is the measure of angle ABC?



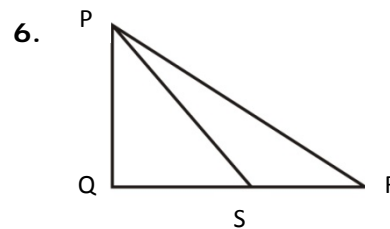
Given $\angle s = 45^\circ$.
What are the measures of the other angles?



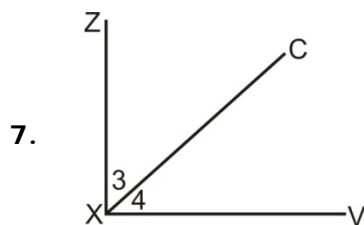
Given $\angle E = \angle I$ and $\angle F = \angle G$
How are triangles PRQ and SRT related?



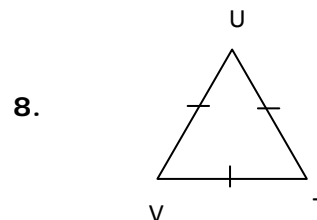
Given SA = AU.
How does the length of TB compare to BV?



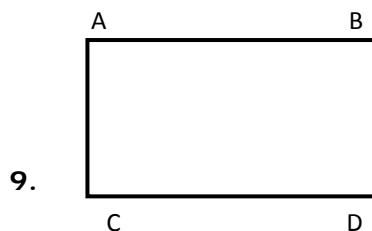
Given PS is median of ΔQPR .
How are the lengths of the QS and SR related to each other?



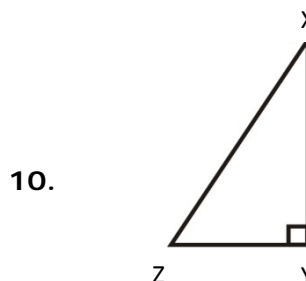
Given $\angle ZXV = 90^\circ$
And CX is bisector of $\angle X$
What are the measures of angles 3 and 4?



Given UV = VT = UT.
What type of triangle is TUV?



Given $\angle D$ is 90 DEGREES and AC = BD and AB = CD.
What type of shape is ABCD?



Given $\angle XYZ = 90^\circ$
How are the lengths the sides related?

