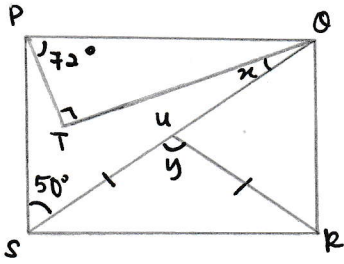


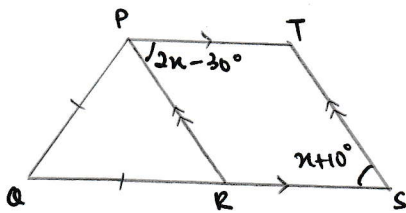
1. In the figure, PQRS is a rectangle, PQT is a right-angled triangles and RSU is an isosceles triangle, QUS is a straight line. Find the value of x and y

如图所示， PQRS 是个长方形， PQT 是个直角三角形和 RSU 是等腰三角形， QUS 为一条直线，求 x 与 y 的值。



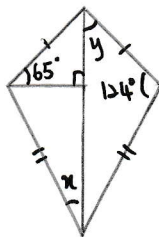
2. In the figure, PRST is a parallelogram. PQR is an isosceles triangles. Find $\angle PQR$.

如图所示， PRST 是个平行四边形， PQR 是个等腰三角形，求夹角 PQR。



3. In the figure, ABCD is a kite. Find the value of x and y.

如图所示， ABCD 是风筝形，求 x 与 y 之值。

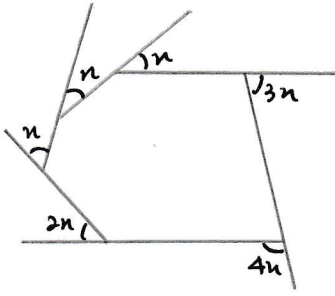


4. Find the number of sides of a regular polygon whose interior angles are 140° each.

一个正多边形的内角为 140° ，求此正多边形的边数。

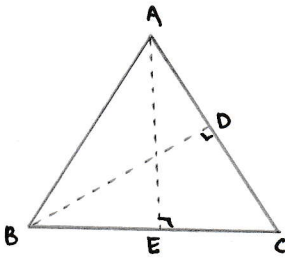
5. In the figure, find value of x

如图所示，求 x 值。



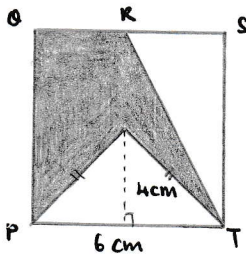
6. In the figure, $AE=18\text{cm}$, $BC=15\text{cm}$, $AC=12\text{cm}$, find the length of BD .

如图所示， $AE=18\text{cm}$, $BC=15\text{cm}$, $AC=12\text{cm}$, 求 BD 的长度。



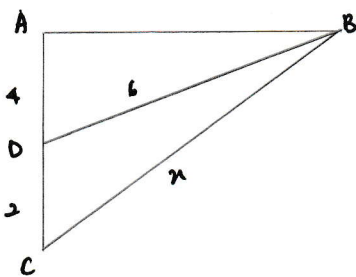
7. In the figure, $PQST$ is a square and PUT is an isosceles triangle. R is a midpoint of QS . Find the area, in cm^2 of the shaded region.

如图所示， $PQST$ 是个正方形， PUT 是等腰三角形， R 是 QS 的中点，求阴影的面积。



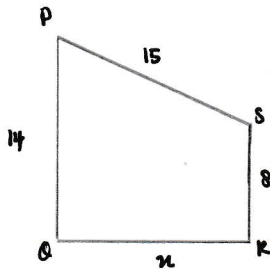
8. In the figure, given that ABC is a right-angled triangle. $AD=4\text{cm}$, $DC=2\text{cm}$ and $BD=6\text{cm}$. Find the length of x

如图所示， ABC 是个直角三角形， $AD=4\text{cm}$, $DC=2\text{cm}$ 和 $BD=6\text{cm}$., 求 x 值。



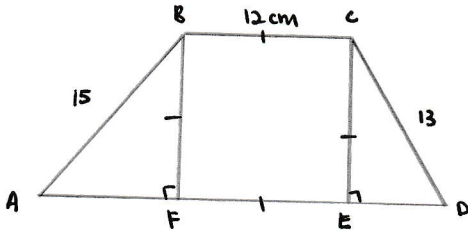
9. In the figure, PQRS is a trapezium. Find the length of x

如图所示，PQRS 为梯形，求 x 之值。



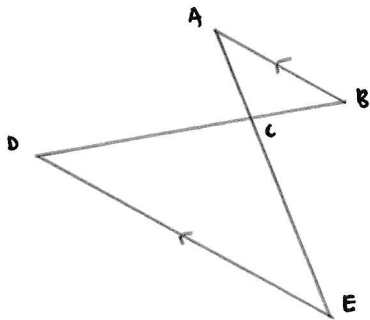
10. In the figure, BCED is a square. Find the length of AF and AD

如图所示，BCED 是个正方形，求 AF 与 AD 的长度。



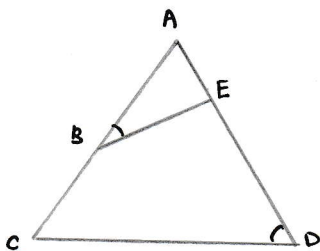
11. Prove $\triangle ABC \sim \triangle EDC$. If $AB = 5$, $BC = 2.5$, $CD = 6$, find length of DE.

是证明 $\triangle ABC \sim \triangle EDC$ ，若 $AB = 5$, $BC = 2.5$, $CD = 6$, 求 DE 的长度。



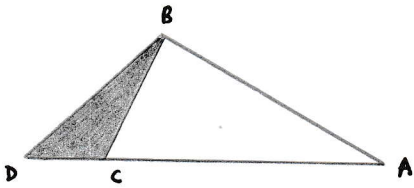
12. In the figure, $\angle ABE = \angle ADC$, $AB = 6$, $BC = 2$, $AE = 4$, $ED = x$, find x.

如图所示， $\angle ABE = \angle ADC$, $AB = 6$, $BC = 2$, $AE = 4$, $ED = x$, 求 x。



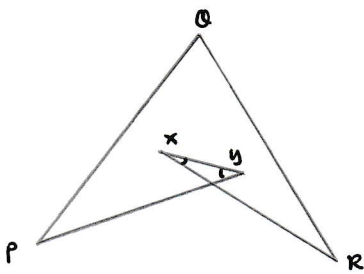
13. In the figure, $AD=6\text{cm}$, $DC=2\text{cm}$, if area of $\triangle ABC$ is 48cm^2 , find area of $\triangle DBC$

如图所示, $AD=6\text{cm}$, $DC=2\text{cm}$, 若 $\triangle ABC$ 的面积是 48cm^2 , 求 $\triangle DBC$ 的面积。



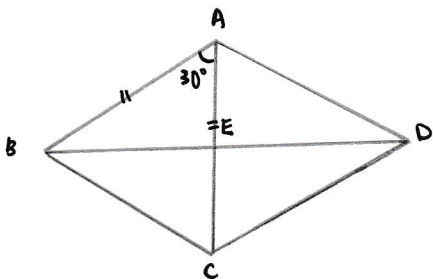
14. In the figure, $\angle Q = 40^\circ$, $\angle P = \angle R = 30^\circ$, find the value of $x+y$

如图所示, $\angle Q = 40^\circ$, $\angle P = \angle R = 30^\circ$, 求 $x+y$ 之值。



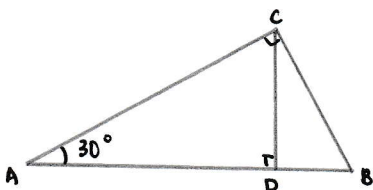
15. In diagram, $\triangle ABC$ is an isosceles triangle with $AB=AC$, $\triangle ACD$ is an equilateral triangle. Given $\angle BAC=30^\circ$, find $\angle BEC$.

如图所示, $\triangle ABC$ 为等腰三角形, $AB=AC$, $\triangle ACD$ 是个等边三角形, 若 $\angle BAC=30^\circ$, 求角度 $\angle BEC$ 。



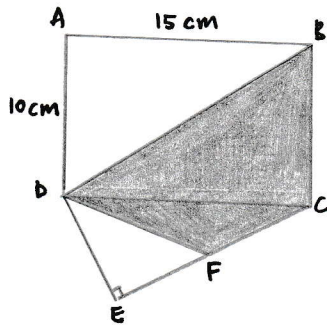
16. In diagram, $\angle ACB=90^\circ$, $CD \perp AB$, $\angle A=30^\circ$, $AB=8\text{cm}$, find BC , $\angle BCD$, BD and AD .

如图所示, $\angle ACB=90^\circ$, $CD \perp AB$, $\angle A=30^\circ$, $AB=8\text{cm}$, 求 BC , $\angle BCD$, BD 和 AD 。



17. In diagram, ABCD is a rectangle and CDE is a right-angled triangle. Given CE=12cm and F is the midpoint of CE, find the area of the shaded region.

如图所示，ABCD 是个长方形，CDE 是个直角三角形，若 CE=12cm, F 为 CE 的中点，求阴影面积。

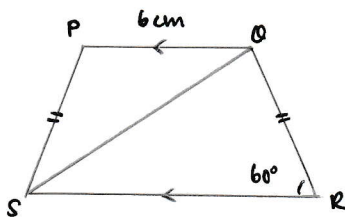


18. A hall of 8m by 4.5m will be covered by similar square tiles of sides 25cm each. Find the cost of covering the hall if the tile is RM 4 per piece.

一个礼堂面积为 8m x 4.5m, 可被 25cm 长的正方瓷砖覆盖，若每片瓷砖的价钱为 RM 4, 求覆盖整个礼堂的价格。

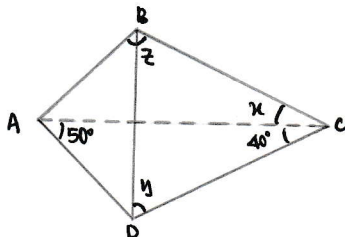
19. In diagram, PQRS is an isosceles trapezium. SQ bisects $\angle PSR$. Find the perimeter of whole diagram.

如图所示，PQRS 是一个等腰三角形，SQ 对分 $\angle PSR$. 求图中的周长。



20. In diagram, ABCD is a kite. 如图所示，ABCD 是个风筝形。

i. State a pair of triangles which are congruent 试表示图中的相似三角形



ii. Find the value of x, y and z 求 x, y 和 z 之值

21. Given that each exterior angle of a regular polygon is 40° , find its sum of interior angles.

一个正多边形的外角为 40° ，求此正多边形的内角和。

22. The sum of interior angles of a polygon is half of the sum of interior angles of a regular polygon which has an exterior angle of 18° . If one of the interior angles is 120° and the other interior angles are each equal to x , find the value of x .

一个正多边形的内角和是另一个正多边形拥有外角 18° 内角和的一半。若正多边形的其中一个内角是 120° ，而其他内角相等于 x ，求 x 值。