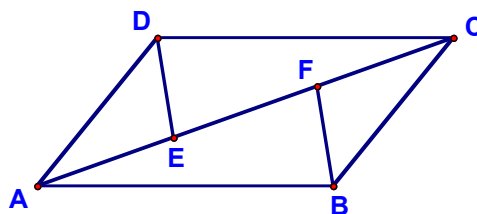


4.

Given: \overline{ABCD} is a parallelogram
 $\overline{AE} \cong \overline{CF}$

Prove: $\overline{DE} \cong \overline{BF}$



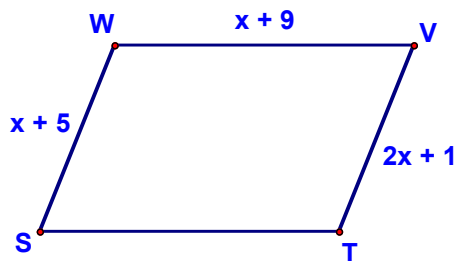
Statements

Reasons

5.

WSTV is a parallelogram.

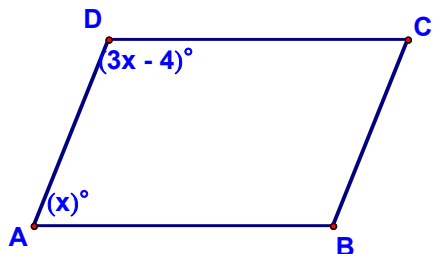
Find the perimeter of WSTV



6.

ABCD is a parallelogram.

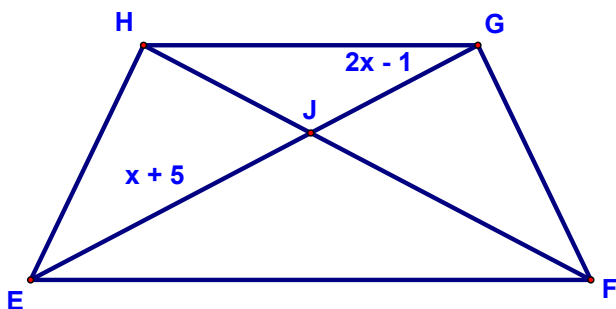
Find $m\angle D$ and $m\angle C$



7.

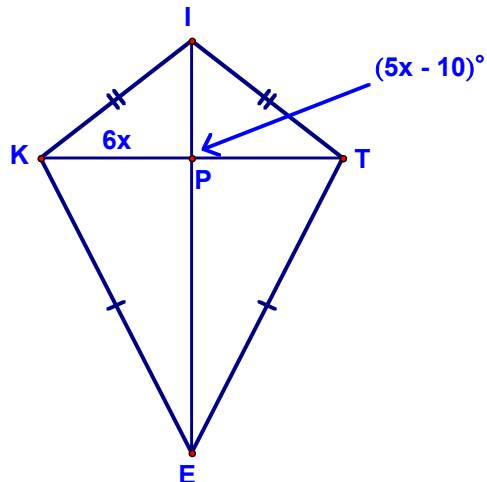
EFGH is an isosceles trapezoid with legs \overline{HE} and \overline{GF} . $EJ = x + 5$, $JG = 2x - 1$, and $HF = 13$.

Find EJ, JG, and HJ



11.

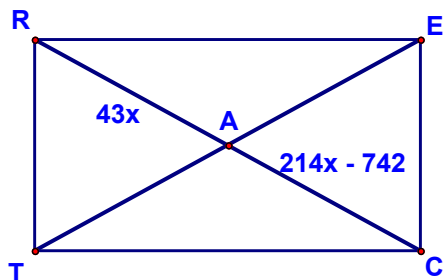
Find KT



12.

RECT is a rectangle.

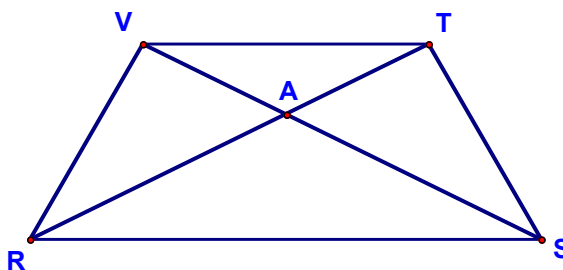
Find ET to the nearest tenth.



17.

Given: $RVTS$ is an isos. trapezoid with legs \overline{VR} & \overline{TS}

Prove: $\triangle ARS$ is isosceles



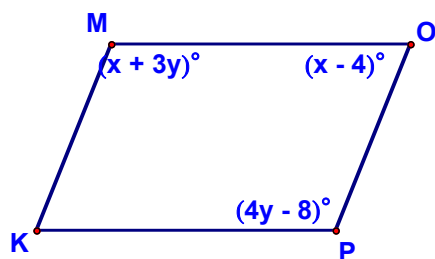
Statements

Reasons

19.

KMOP is a parallelogram.

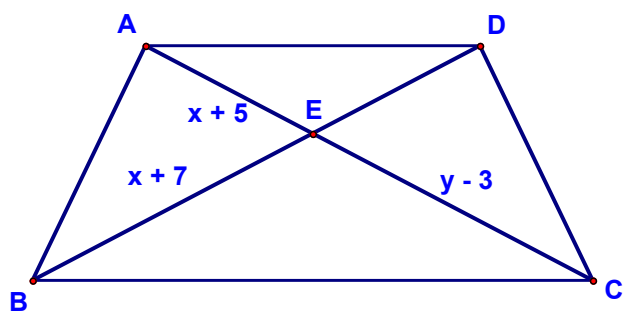
Find $m\angle K$



20.

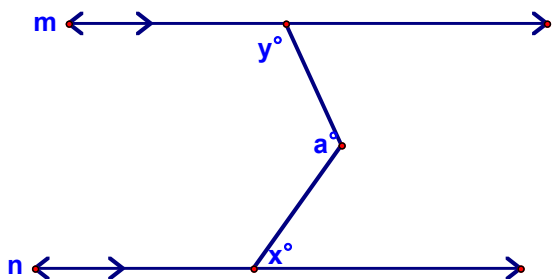
ABCD is an isosceles trapezoid with upper base \overline{AD} . $BD = y + 4$.

Find AC



29.

$m \parallel n$



a. Solve for a in terms of x and y

b. If $a > 90$, what must be true of $y - x$?