

EOC Review

Find the other endpoint of the line segment with the given endpoint and midpoint.

- 1) Endpoint: $(-3, -7)$, midpoint: $(2, -10)$
 $(7, -13)$

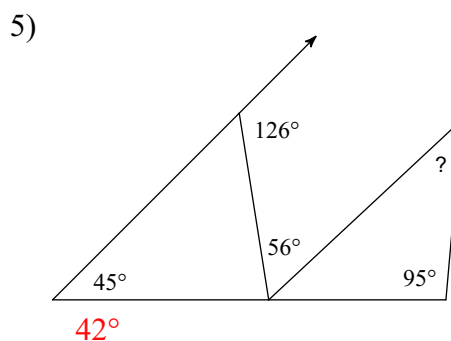
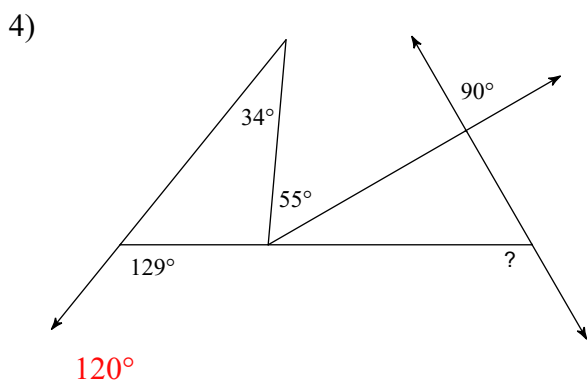
Write the slope-intercept form of the equation of the line described.

- 2) through: $(-2, -5)$, perp. to $y = -\frac{1}{2}x + 3$

$y = 2x - 1$

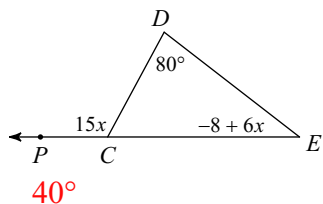
- 3) through: $(-2, -3)$, perp. to $y = -4x + 2$ $y = \frac{1}{4}x - \frac{5}{2}$

Find the measure of each angle indicated.

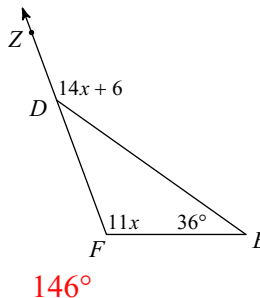


Find the measure of the angle indicated.

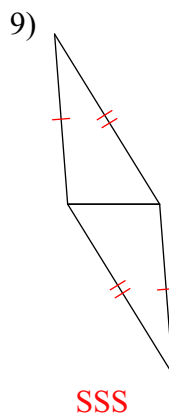
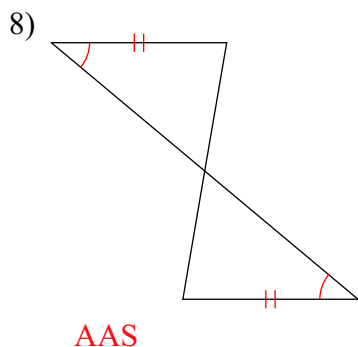
- 6) Find $m\angle E$.

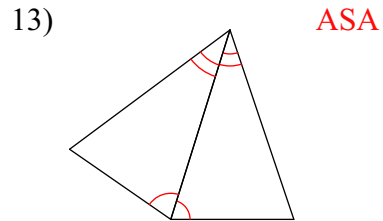
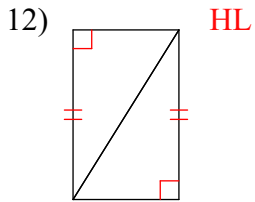
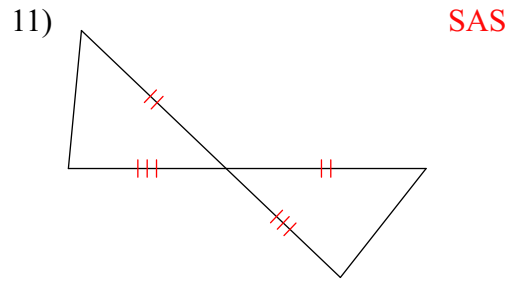
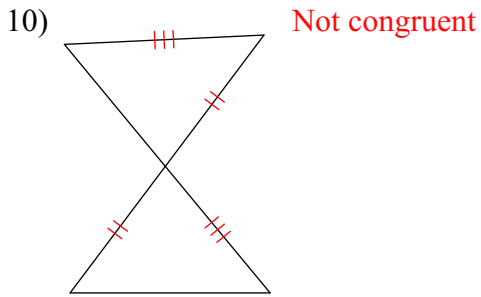


- 7) Find $m\angle ZDE$.



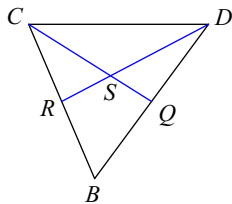
State if the two triangles are congruent. If they are, state how you know.



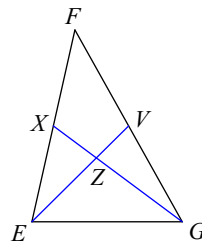


Each figure shows a triangle with one or more of its medians.

14) Find SQ if $CQ = 27$ **9**

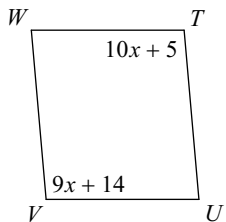


15) Find GX if $GZ = 22$ **33**

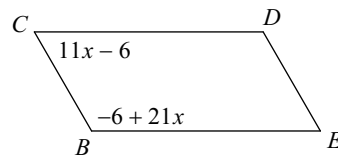


Find the measurement indicated in each parallelogram.

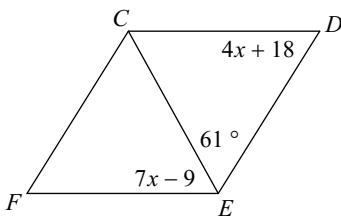
16) Find $m\angle T$ **95°**



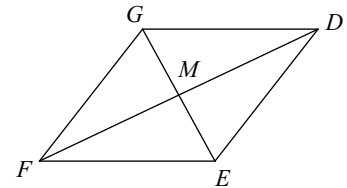
17) Find $m\angle B$ **120°**



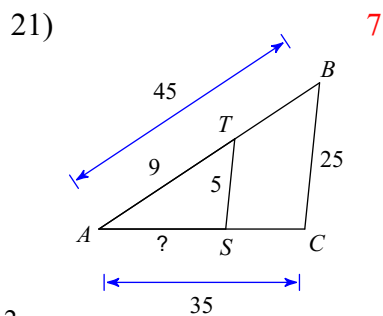
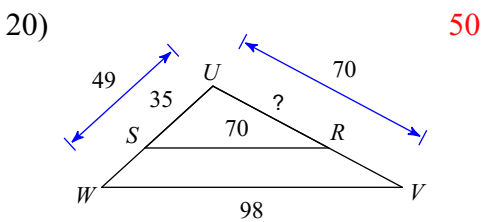
18) Find $m\angle F$ **58°**



19) $EM = x + 5$
 $EG = 3x + 2$
 Find EM

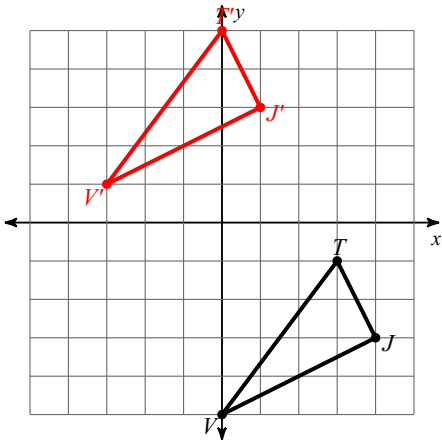


Find the missing length. The triangles in each pair are similar.

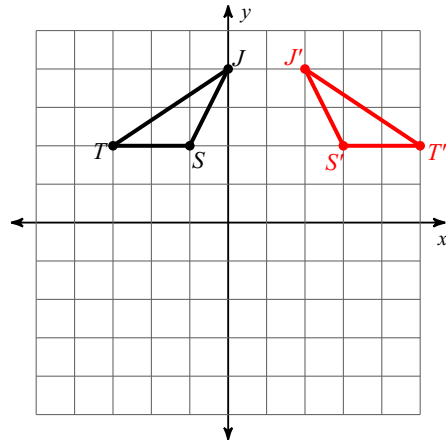


Graph the image of the figure using the transformation given.

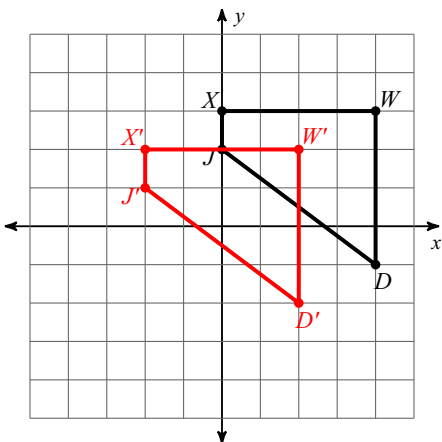
22) translation: $(x, y) \rightarrow (x - 3, y + 6)$



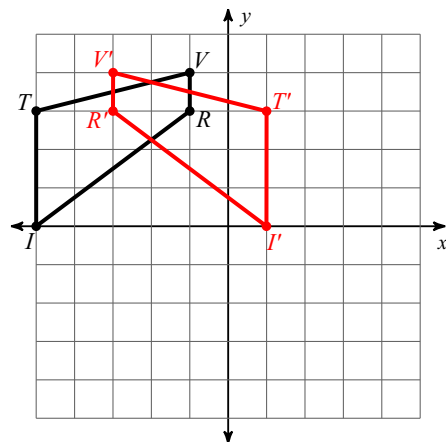
23) reflection across $x = 1$



24) translation: $(x, y) \rightarrow (x - 2, y - 1)$

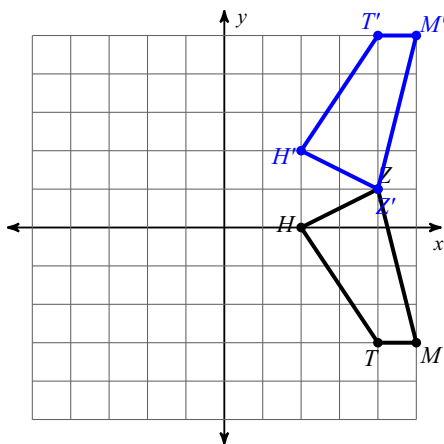


25) reflection across $x = -2$

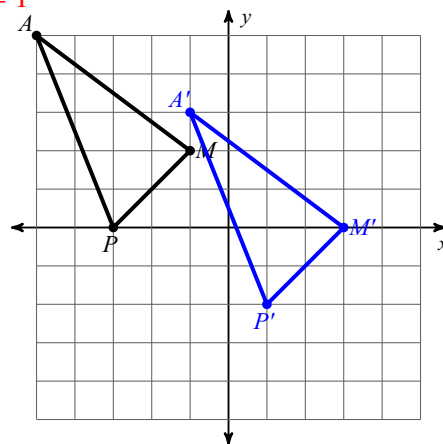


Write a rule in arrow notation and/or words to describe each transformation.

26)



reflection across $x = 2$



translation: $(x, y) \rightarrow (x + 2, y)$