

EOC Review

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

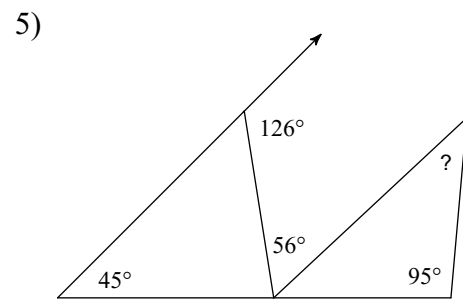
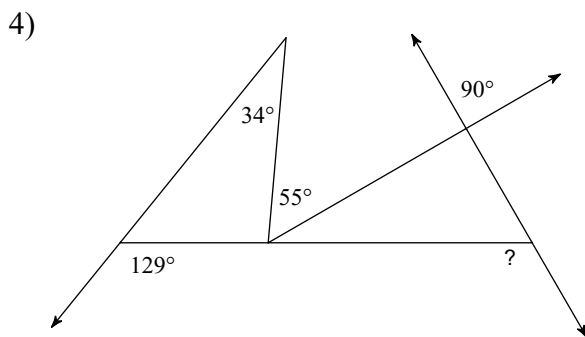
- 1) Endpoint:  $(-3, -7)$ , midpoint:  $(2, -10)$

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

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

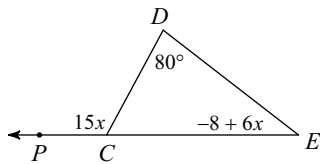
- 3) through:  $(-2, -3)$ , perp. to  $y = -4x + 2$

**Find the measure of each angle indicated.**

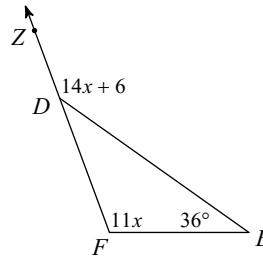


**Find the measure of the angle indicated.**

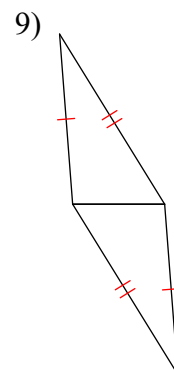
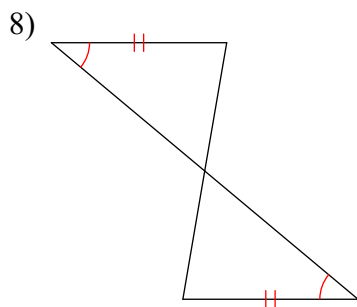
- 6) Find  $m\angle E$ .

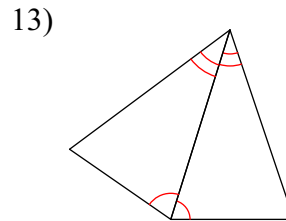
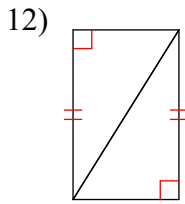
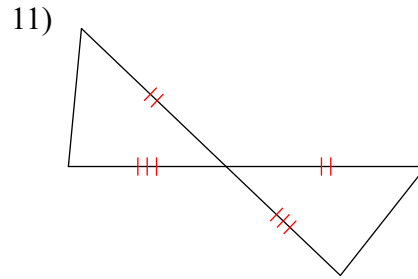
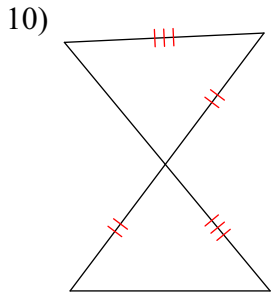


- 7) Find  $m\angle ZDE$ .



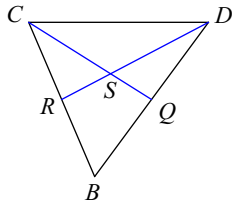
**State if the two triangles are congruent. If they are, state how you know.**



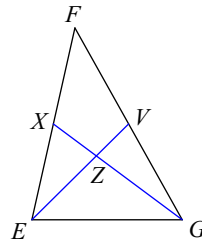


**Each figure shows a triangle with one or more of its medians.**

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

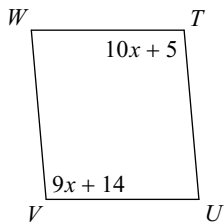


15) Find  $GX$  if  $GZ = 22$

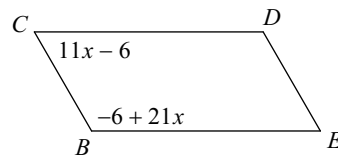


**Find the measurement indicated in each parallelogram.**

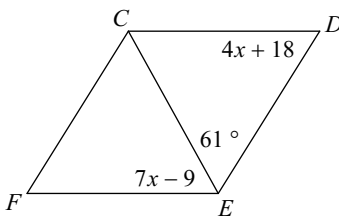
16) Find  $m\angle T$



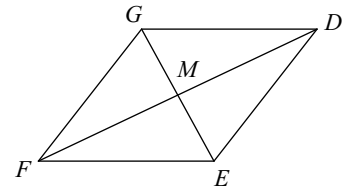
17) Find  $m\angle B$



18) Find  $m\angle F$

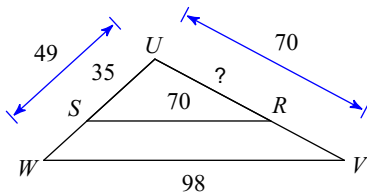


19)  $EM = x + 5$   
 $EG = 3x + 2$   
 Find  $EM$

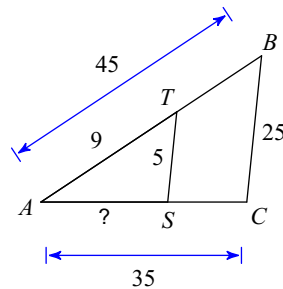


**Find the missing length. The triangles in each pair are similar.**

20)

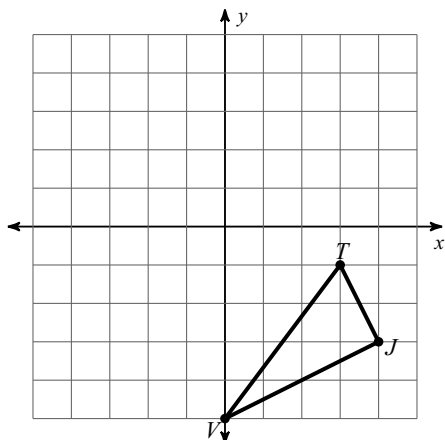


21)

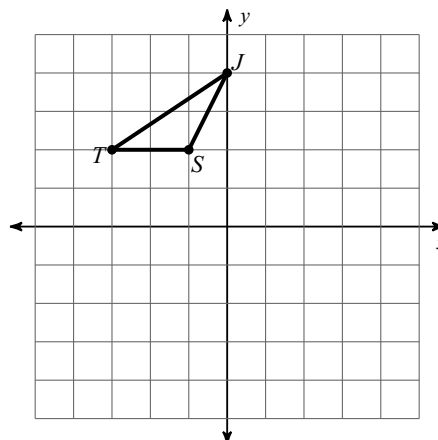


**Graph the image of the figure using the transformation given.**

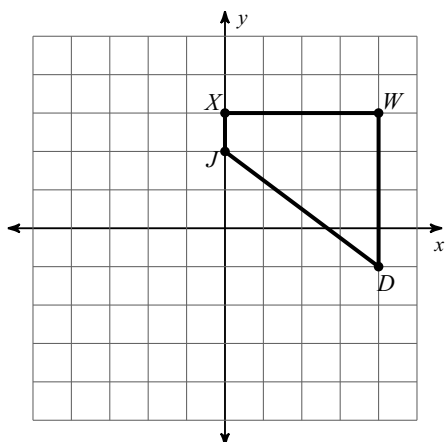
22) translation:  $(x, y) \rightarrow (x - 3, y + 6)$



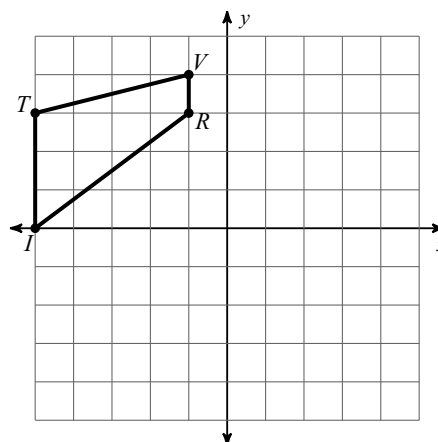
23) reflection across  $x = 1$



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

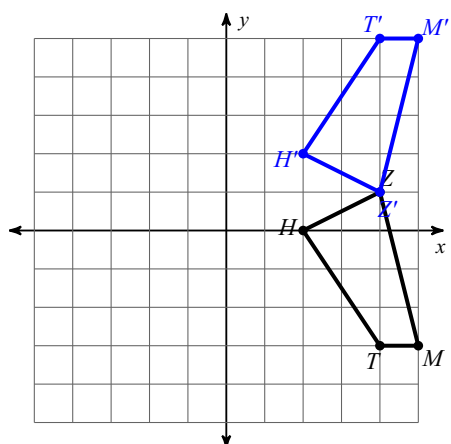


25) reflection across  $x = -2$



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

26)



27)

