

Complete the table about snack preference for Mr. Miller's farm animals:

1)

	Dandelion	Clif Bar	Slurpee	Total
Goat	16	6		73
Sheep		4		
Total	33			99

Use your completed table from Problem #1 to answer the question:

- 2) What percent of the animals prefer Slurpees?
- 3) Of the animals who prefer Slurpees, what percent are Sheep?
- 4) What percent of the goats prefer Dandelions?

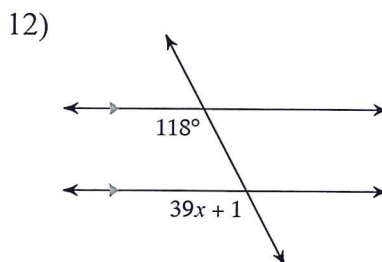
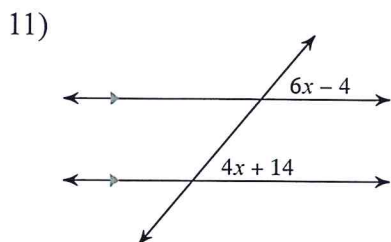
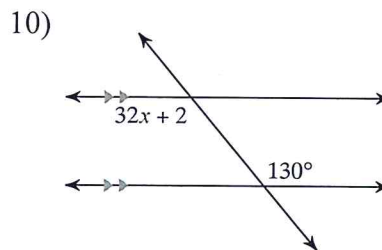
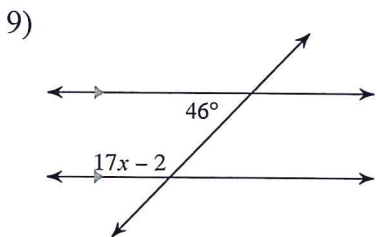
Find the distance between the pair of points.

- 5) (1, -2), (7, -1)
- 6) (-3, 2), (-5, 3)

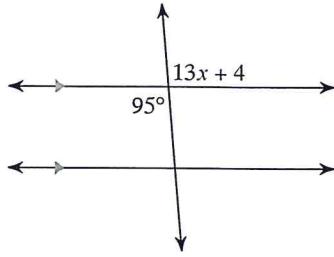
Find the midpoint of the line segment with the given endpoints.

- 7) (2, -7), (-4, -1)
- 8) (2, -3), (3, -7)

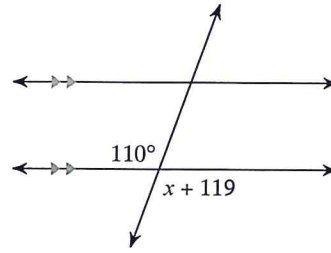
Solve for  $x$ .



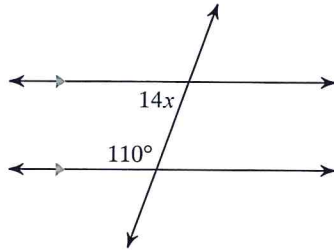
13)



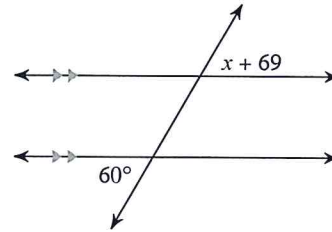
14)



15)

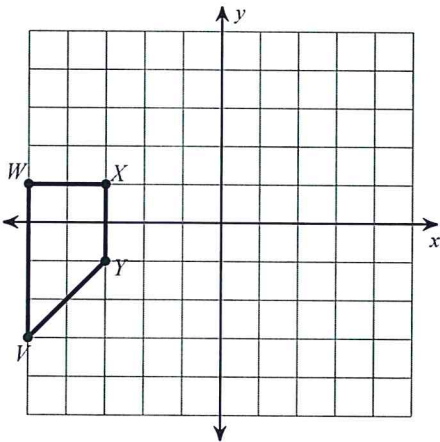


16)

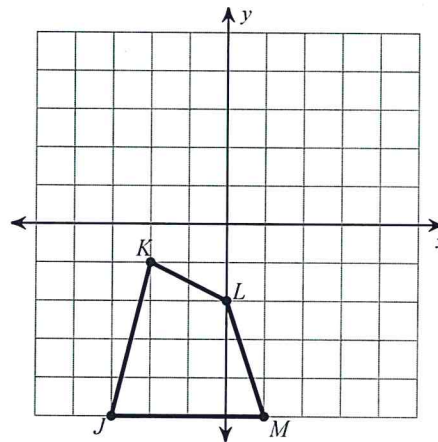


**Graph the image of the figure using the transformation given.**

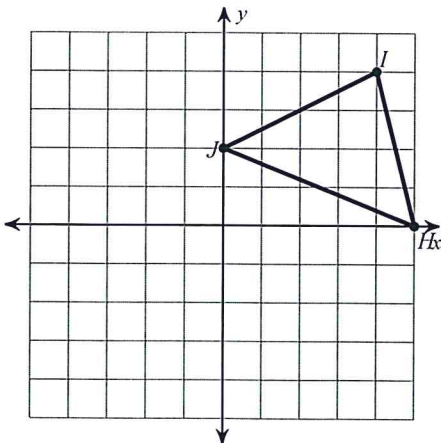
17) translation:  $(x, y) \rightarrow (x + 4, y + 1)$



18) rotation  $180^\circ$  about the origin



19) reflection across the y-axis



20) rotation  $90^\circ$  counterclockwise about the origin

