

Show all work neatly, and circle your answers.

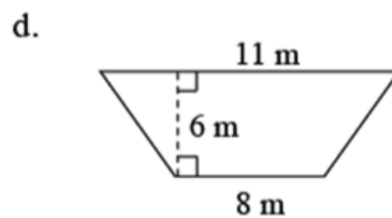
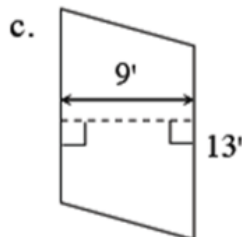
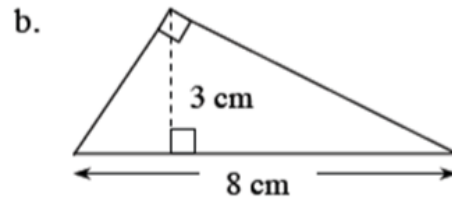
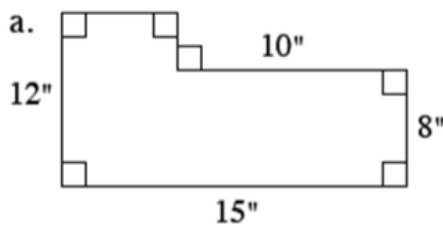
CL 2-118. As Sandra drives, her music player randomly selects music from her playlist. Sandra’s playlist contains:

- 3 traditional country songs
- 6 traditional rock songs
- 4 hip-hop rap songs
- 5 contemporary country songs
- 1 Latin rap song
- 3 traditional pop songs

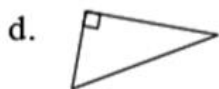
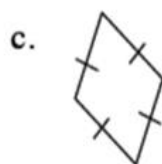
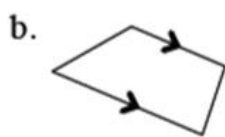
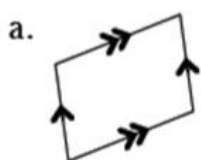


- _____ a. What is the probability that the player will select some rap music next?
- _____ b. Find $P(\text{traditional})$, that is, the probability that the player will randomly select traditional music of any kind.
- _____ c. Find $P(\text{traditional pop})$.
- _____ d. Find $P(\text{not country})$, the probability that the next song is *not* country music.

CL 2-119. Find the area of each figure.



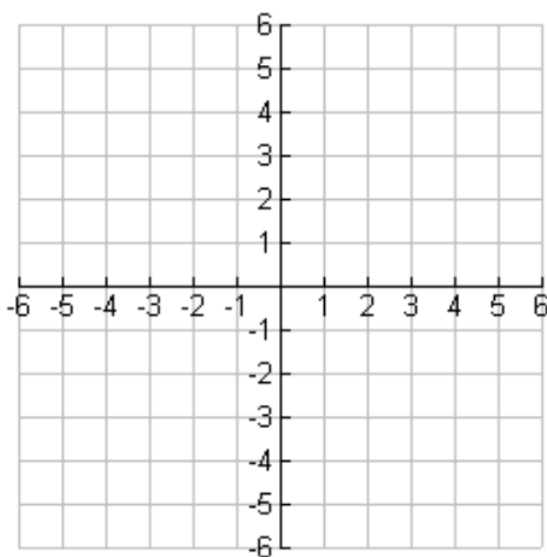
CL 2-120. Name each of the following shapes.



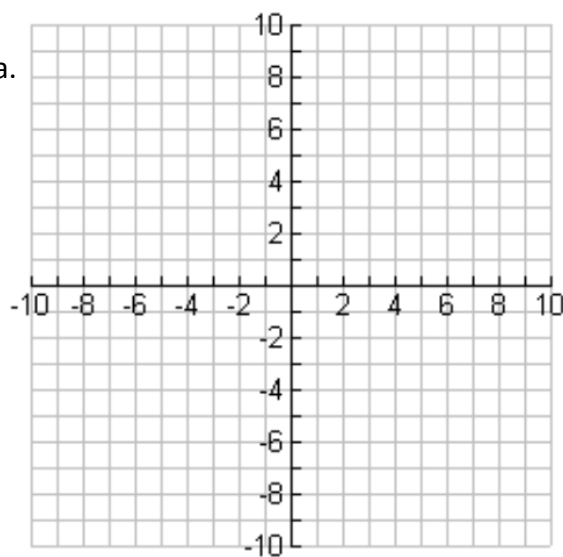
f. Graph the following points and then name the shape that is created when you connect the points in the given order.

$N(-2,6)$, $A(-4,6)$, $M(-4,3)$, $E(-2,3)$

2-120f.



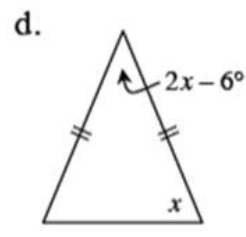
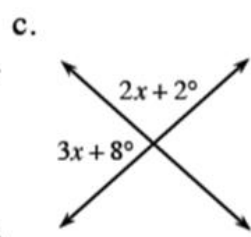
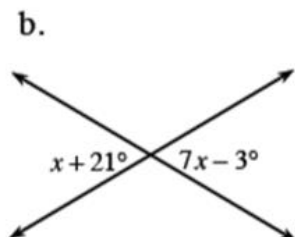
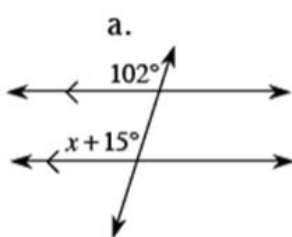
2-121a.



CL 2-121. Graph the segment that connects the points $A(-4,8)$ and $B(6,3)$.

- What is the slope of \overline{AB} ?
- Write an equation for the line that connects points A and B .
- Write an equation for a line that is parallel to \overline{AB} .
- Write an equation for a line that is perpendicular to \overline{AB} .

CL 2-122. Identify the geometric angle relationship(s) in each diagram. Use what you know about those relationships to write an equation and solve for x .

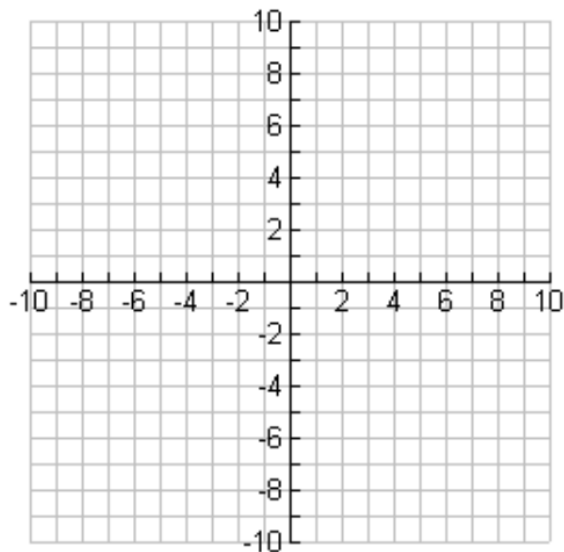


CL 2-123. Examine the system of equations at right.

$$y = -2x + 6$$

$$y = \frac{1}{2}x - 9$$

- a. Solve the system below *twice*: graphically and algebraically. Verify that your solutions from the different methods are the same.



- b. What is the relationship between the two lines? How can you tell?

- c. Solve the system at right using your method of choice.

$$2x + 3y = 18$$

$$4x - 3y = 6$$

CL 2-124. Charlotte was transforming the hexagon $ABCDEF$.

- a. What single transformation did she perform in Diagram #1?

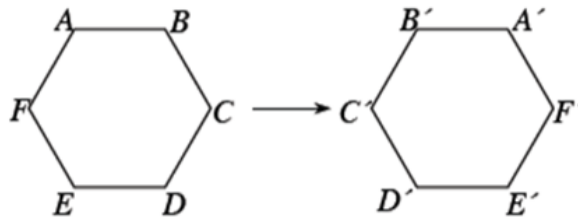


Diagram #1

- b. What single transformation did she perform in Diagram #2?

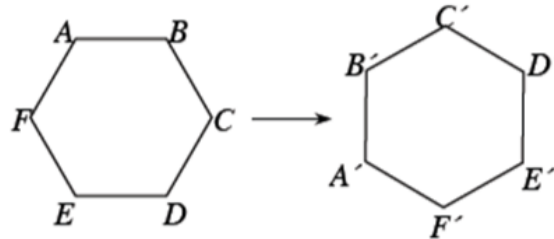


Diagram #2

- c. What transformation didn't she do? Write directions for this type of transformation for hexagon $ABCDEF$ and perform it by correctly labeling Diagram #3.

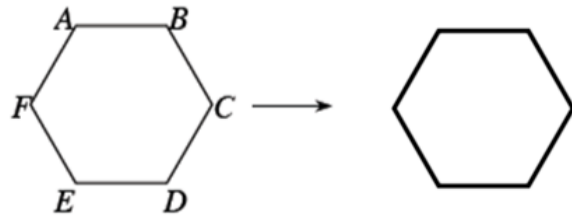


Diagram #3

CL 2-125. Explain what you are doing when you find the perimeter of a flat shape. How is that different than finding its area?

CL 2-126. The following questions are part of the grade for this packet – do not skip them! Take a few minutes to reflect on the closure packet, as well as the work you have done in this chapter. Be complete and specific in your answers. If there are things that you need help with, be sure to **SEE YOUR TEACHER OR GO TO MATH HELP BEFORE THE DAY OF THE TEST!**

Which **problems** in the closure packet do you feel confident about?

Which **problems** were difficult?

Make a list of **topics** from the chapter that you feel **you need to practice more**.

Make a list of **topics** from the chapter you feel **you need help with**.