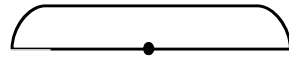
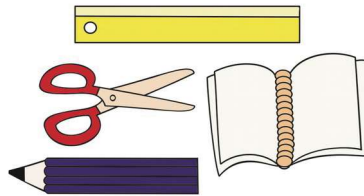


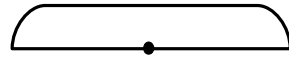
Lesson 5 HW

1 Select appropriate drawings and complete them to solve the word problems:

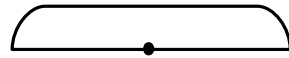
A. There are x pencils in one box and y pencils in another. How many pencils are in both boxes?



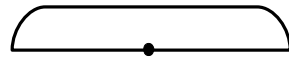
B. There are x pencils in the first box and y pencils in the second. How many more pencils are in the first box than in the second?



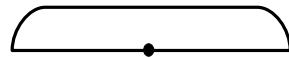
C. There are x pencils in each of y boxes. How many pencils are there in total?



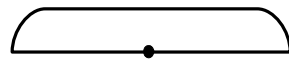
D. A box has q pencils, which is p pencils more than in another box. How many pencils are in the second box?



E. There are m pencils in one box and n in another. Carol took k pencils from each box. How many pencils remained in these boxes in total?



F. There are m pencils in each of n boxes. Carol took k pencils from each box. How many pencils remained in these boxes?



2 In your notebook solve the equations. Copy your answers below.

$$128 - x = 59$$

$$y + 186 = 501$$

$$z - 48 = 97$$

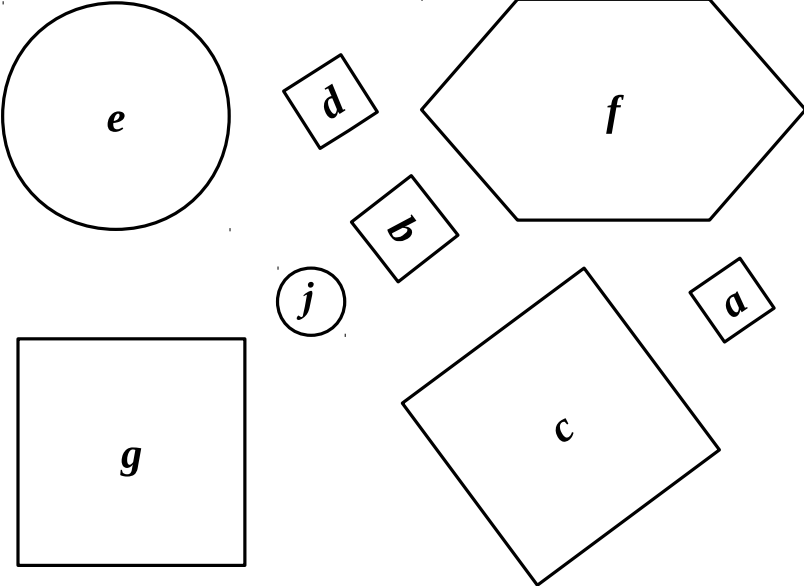
$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$$z = \underline{\hspace{2cm}}$$

3

In the picture below, set **P** is a set of squares and set **Q** is a set of Large shapes. Draw a Venn Diagram for these sets.

	<p style="text-align: center;">Venn Diagram:</p>
--	--

Which shapes belong to set **P**, but not to set **Q**? _____

Which shapes belong to set **Q**, but not to set **P**? _____

Which shapes belong to both sets? _____



Looking at your Venn Diagram, fill in the blanks with \in (belongs) or \notin (does not belong):

 a **P**

 f **P**

 j **P**

 c **P**

 a **Q**

 c **Q**

 g **Q**

 d **Q**

4 Compare:

$x - 5 \square x - 9$

$y + 5 \square y + (5 - 1)$

$w \times 3 \square w + w + w$

$z - (x + 2) \square z - x$

$z - (x + 2) \square z - x - 2$

$x \times 4 \square x \times 3 + x$

5 For each equation, select the best diagram (multiple choice):

Do not solve the equation !



$534 - x = 267$

A	B	C	D
$\begin{array}{c} x \\ \text{S} \\ 267 \\ \text{S} \\ 534 \end{array}$	$\begin{array}{c} 534 \\ \text{S} \\ 267 \\ \text{S} \\ x \end{array}$	$\begin{array}{c} 267 \\ \square \\ 534 \end{array} x$	$\begin{array}{c} 267 \\ \square \\ x \end{array} 534$

$x \times 131 = 5109$

A	B	C	D
$\begin{array}{c} x \\ \text{S} \\ 5109 \\ \text{S} \\ 131 \end{array}$	$\begin{array}{c} 5109 \\ \text{S} \\ 131 \\ \text{S} \\ x \end{array}$	$\begin{array}{c} 131 \\ \square \\ 5109 \end{array} x$	$\begin{array}{c} 5109 \\ \square \\ x \end{array} 131$

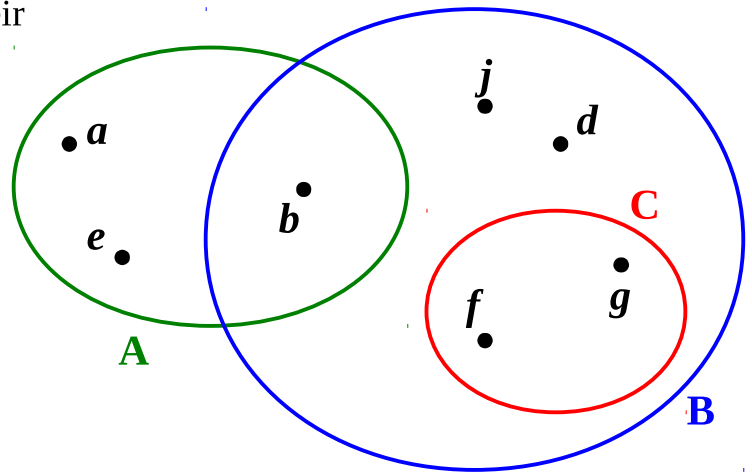
$x + 359 = 1077$

A	B	C	D
$\begin{array}{c} x \\ \text{S} \\ 1077 \\ \text{S} \\ 359 \end{array}$	$\begin{array}{c} 1077 \\ \text{S} \\ 359 \\ \text{S} \\ x \end{array}$	$\begin{array}{c} 359 \\ \square \\ 1077 \end{array} x$	$\begin{array}{c} 1077 \\ \square \\ x \end{array} 359$

$7923 \div x = 19$

A	B	C	D
$\begin{array}{c} x \\ \text{S} \\ 7923 \\ \text{S} \\ 19 \end{array}$	$\begin{array}{c} 7923 \\ \text{S} \\ 19 \\ \text{S} \\ x \end{array}$	$\begin{array}{c} 19 \\ \square \\ 7923 \end{array} x$	$\begin{array}{c} 7923 \\ \square \\ x \end{array} 19$

6 Use the Venn Diagram on the right to list the elements in sets **A**, **B**, and **C** and their intersections:



A = { _____ }

B = _____

C = _____

A ∩ **B** = _____

A ∩ **C** = _____

B ∩ **C** = _____

7 Mark the order of operations and evaluate the expressions:

① ②
 $24 : 6 \times 2 = \underline{\hspace{2cm}}$

$8 \times 3 + 5 \times 4 = \underline{\hspace{2cm}}$

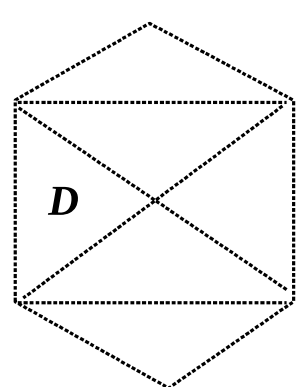
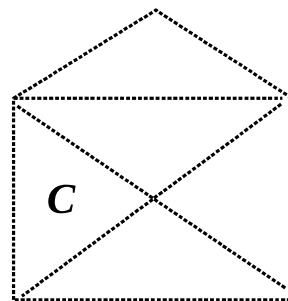
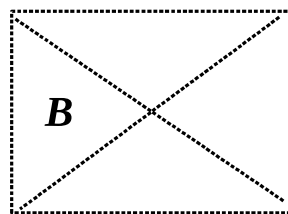
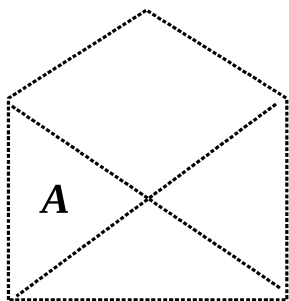
$43 + 20 - 5 = \underline{\hspace{2cm}}$

$18 + 3 : 3 = \underline{\hspace{2cm}}$

$(18 + 3) : 3 = \underline{\hspace{2cm}}$

$36 : (13 - 4) = \underline{\hspace{2cm}}$

8 Circle the shapes that you can trace without following twice any line and without lifting your pencil? Cross out the ones you cannot.



12 Look at the drawing.

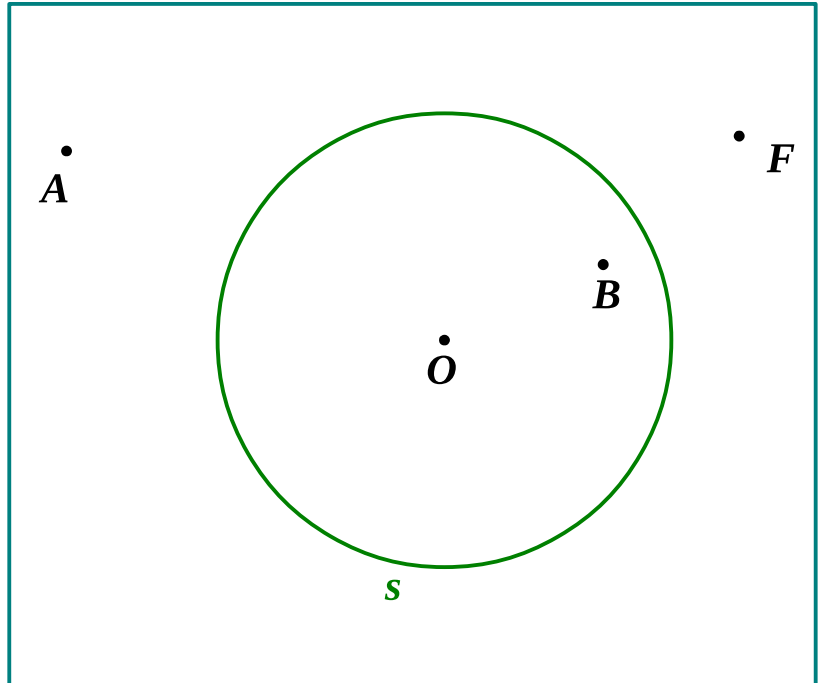
$s = \text{Circ}(O, 3 \text{ cm})$

1. Plot the straight line AB .

2. Find and label points R and T on the intersection of the straight line AB and the circle s :

$$\{R, T\} = s \cap AB$$

3. Plot $q = \text{Circ}(O, 4 \text{ cm})$



4. **Analyze what the next line means and follow its instruction:**

Find and label points V , and W : $\{V, W\} = q \cap AB$

13 Check \checkmark the TRUE statements; cross \times the False statements.

$W \in \text{Circ}(O, 3 \text{ cm})$

$R \notin \text{Circ}(O, 3 \text{ cm})$

$W \in q \cap AB$

$B \notin q \cap AB$

$O \in AB$

$V \notin RT$

14 Foxy Tail went out and found 5 coins laying on a curb. How many coins would he and his brother Little Joe have found if they went together?
