Image: Compare the sets A and B. Is there an element in the set A that is not included in set B? Is there an element in the set B that is not included in set A? $A = \{ \oplus, \bar{B}, \bar{E}, \bar{B} \}$ $B = \{ \bar{B}, \bar{E}, \bar{D}, \bar{B} \}$ $B = \{ \bar{B}, \bar{E}, \bar{D}, \bar{D} \}$ 2 Construct a set A that is equal to set $D = \{ \bar{H}, \bar{O}, \bar{A} \}$. $A = \{ \bar{O}, \bar{B}, \bar{E}, \bar{D} \}$ $B = ___________________________________$	Lesson 4 H	IW	5			
Is there an element in the set B that is not included in set A? $A = \{ \Phi, \Psi, \Xi, \Lambda \}$ $B = \{ \Psi, \Theta, \Lambda, \Phi \}$ 2 Construct a set A that is equal to set $D = \{ \Psi, \Theta, \Lambda \}$. $A = _$ $Construct a set A that is not equal to set D. B = _ 3 Construct all six possible listings of the elements of set Q = \{a, b, c\}. 1. a. b. c 2$	1 Compare the sets <i>A</i> and <i>B</i> .					
$A = \{ \bigoplus, \bigoplus, \bigoplus, \bigoplus, \bigoplus, \bigoplus\} \qquad B = \{ \bigoplus, \bigoplus, \bigoplus, \bigoplus\} $ 2 Construct a set <i>A</i> that is equal to set <i>D</i> = {#, \odot , A }. $A = _$ Construct a set <i>A</i> that is not equal to set <i>D</i> = {#, \odot , A }. $A = _$ Construct a set <i>B</i> that is not equal to set <i>D</i> . $B = _$ 3 Construct all six possible listings of the elements of set <i>Q</i> = {a, b, c}. 1. <u>a, b, c</u> 2 3 4 5 6 Construct all six possible listings of the elements of set <i>Q</i> = { $\bigcirc, \bigcirc, \checkmark$ }. 1 2 3 4 5 6 4 5 6 4 5 6	Is there an element	Is there an element in the set <i>A</i> that is not included in set <i>B</i> ?				
2 Construct a set A that is equal to set $D = \{\#, \odot, A\}$. $A = _$ Construct a set B that is not equal to set D. $B = _$ 3 Construct all six possible listings of the elements of set $Q = \{a, b, c\}$. 1. $\underline{a, b, c}$ 2. $_$ 4. $_$ 5. $_$ 6. $_$ Construct all six possible listings of the elements of set $Q = \{\heartsuit, \Theta, \blacksquare\}$. 1. $_$ 2. $_$ 4. $_$ 5. $_$ 6. $_$ 1. $_$ 2. $_$ 4. $_$ 5. $_$ 6. $_$ 4. $_$ 5. $_$ 6. $_$ 6. $_$ 4. $_$ 5. $_$ 6. $_$ 6. $_$ 6. $_$ 6. $_$ 6. $_$ 6. $_$ 6. $_$ 6. $_$ 6. $_$ 7. \bigcirc 6. $_$ 9. \oslash 9. \circlearrowright 9. \oslash 0. \bigcirc	Is there an element in the set <i>B</i> that is not included in set <i>A</i> ?					
A =	$A = \{ \Phi, \Psi, \Xi, \Phi \} \qquad B = \{ \Psi, \Xi, \Phi, \Phi \}$					
Construct a set B that is not equal to set D. B =	2 Construct a set A that is equal to set $D = \{\#, \odot, A\}$.					
$B =$ 3 Construct all six possible listings of the elements of set $Q = \{a, b, c\}$. 1. <u>a, b, c</u> 2. 3. 4. 5. 6. Construct all six possible listings of the elements of set $Q = \{\bigcirc, \bigcirc, \bigcirc, \boxtimes\}$. 1. 2. 3. 4. 5. 6. 1. 2. 3. 4. 5. 6. 4. 5. 6. 4. 5. 6. 4. 5. 6. 4. 5. 6. 4. 5. 6. 4. 5. 6. 4. 5. 6. 5. 6. 6. 6. 0. 0. 6. 0. 0. 6. 0. 0. 7. 8. 0. 0.	A =					
3 Construct all six possible listings of the elements of set $Q = \{a, b, c\}$. 1. <u>a, b, c</u> 2	Construct a set <i>B</i> that is not equal to set <i>D</i> .					
1. <u>a, b, c</u> 2	<i>B</i> =					
4 5 6 Construct all six possible listings of the elements of set $Q = \{\bigcirc, \bigcirc, \boxtimes\}$. 1 2 3 1 2 3 4 5 6 4 5 6 6 6 4 5 6 6 4 5 6 6 4 5 6	3 Construct all six possible listings of the elements of set $Q = \{a, b, c\}$.					
Construct all six possible listings of the elements of set $Q = \{\bigcirc, \bigcirc, \boxtimes\}$. 1 2 3 4 5 6 4 Find the correct notation for an empty set: A. $\{\varnothing\}$ B. \varnothing C. \ominus D. \ominus	1. <u>a, b, c</u>	2		3		
1 2 3 4 5 6 4 5 6 4 5 0 4 5 0 4 5 0 5 0 0 6 0 0 6 0 0	4	5		6		
4 5 6 4 Find the correct notation for an empty set: $A. \{\emptyset\}$ $B. \emptyset$ $C. \rightarrow$ $D. +$	Construct all six possible listings of the elements of set $Q = \{\bigcirc, \bigcirc, \bowtie\}$.					
4 Find the correct notation for an empty set:A. $\{\emptyset\}$ B. \emptyset C. \rightarrow D. -1	1	2		3		
A. $\{\emptyset\}$ B. \emptyset C. \rightarrow D. $-\{\}$	4	5		6		
	4 Find the correct notation for an empty set:					
A set of is an empty set.	A. {Ø}	B. \emptyset	С. О	D. -{}-		
	A set of		is an emj	oty set.		



		7			
8 Solve the equations in your notebook and copy the answer here:					
y + 119 = 476	239	-z = 215	<i>x</i> −287 = 324		
<i>y</i> =	z = _		x =		
9 The number of elements in the set of					
days of week			is		
letters in the English alph	abet		is		
tails of Little Joe			is		
stars in the solar system .	••		is		
horses living on the moor	1		is		
10 Place the \bigcirc , \bigcirc , \land , \bigcirc $\bigcirc \in C$ $\bigcirc \notin C$ $\bigcirc \notin C$ $\bigcirc \notin C$		▲ ∈ C	C C		
11 Evaluate the claims as TRUE (\square) of FALSE (\square)					
$\Box \qquad \boldsymbol{q} = \operatorname{Circ}(\boldsymbol{P}, 3 \text{ cm})$		q = Circ(W , 3 cm)			
□ WP = 3 cm		VW = 3 cm	L X 3^{CM}		
$\Box X \notin q$		$\mathbf{N} \in \boldsymbol{q}$	W N		
$\square W \in \boldsymbol{q}$		<i>XW</i> < 4 cm	ż v q		
\Box $q = \emptyset$		Z <i>W</i> < 3 cm			



of the brothers ate it? _____

n you tell which



Use a compass to plot the circles below. **14** Use the grid as you scale.

C

Remember, there are 2 cells per centimeter.

<i>s</i> = Circ(<i>A</i> , 4 cm)	d = Circ(B , 3 cm)

z = Circ(**A**, 5 cm) *f* = Circ(*C*, 4 cm)



9

15 Find the result without cumbersome calculations: 534 - 21 + 642 - 37 + 21 + 1 - 534 + 37 - 642 =842 - 621 + 318 - 1 + 7 + 621 - 842 - 318 = 1257 - x - 219 + 328 - 1 + 9 + x - 1257 + 219 - 328 =

Α

