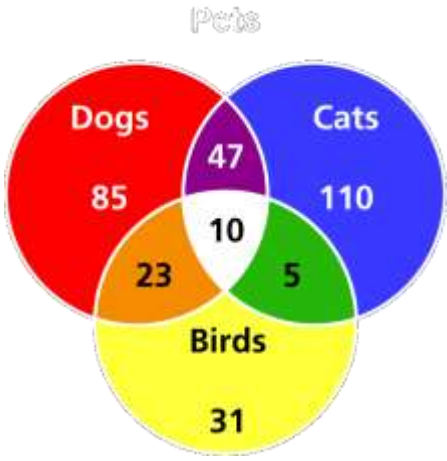
CH 2 Quiz Review Worksheet

1. 1, -3, 5, -7, 9, ____
2. 100, 90, 70, 40, _____
3. 3, 6, 9, 12, _____
4. 100, 50, 25, 12.5, _____



Numbers **Symbols**

1. How many people own Dogs and Cats?

2. How many people own dogs and birds, but no cats

3. How many people own just cats?

P	Q	R	P∨Q	Q∧R	(P∨Q) ∨ (Q∧R)
T	T	T		T	
T	T	F	T		T
T	F	T		F	
T	F	F	T		T
F	T	T		T	
F	T	F	T		T
F	F	T		F	
F	F	F	F		F

4. Law of Detachment ___ number of if thens
5. Law of Syllogism ___ number of if thens

6. Inductive Reasoning Deductive Reasoning

Statement	Reason
4x – 14 = 2x + 16	Given
x = 15	Simplify

Statement	Reason
$AB \cong DE$	
$AB = DE$	Congruence Definition
	Given
$BC = EF$	
$AB + BC = DE + EF$	Addition
$AB + BC = AC$	Segment Addition Postulate
$DE + EF = DF$	
$AC = DF$	Substitution
	Congruence Definition

Statement	Reason
$\angle 1$ and $\angle 3$ are vertical angles	Given
$\angle 1 \cong \angle 3$	Vertical Angles Theorem
	Congruence Definition
$m\angle 1 + m\angle 2 = 180$	Supplement Theorem
$m\angle 1 + m\angle 4 = 180$	
$m\angle 1 + m\angle 2 = m\angle 1 + m\angle 4$	Transitive POE
$-m\angle 1 = -m\angle 1$	
$m\angle 2 = m\angle 4$	
$\angle 2 \cong \angle 4$	

Statement	Reason
$AD \cong BE$	Given
	Definition of Congruence
$AD = AB + BD$	
$BE = BD + DE$	
$AB + BD = BD + DE$	Substitution (lines 3 & 4 into 2)
	Subtraction
$AB = DE$	Simplify
$AB \cong DE$	