# Geometry: Chapter 13 Review

1. Name the sets to which each number belongs:
	1. 
	2. –14
	3. 0.64
	4. 0
	5. 
	6. π
2. A = {1, 3, 5, 7, 9, 11} B = {2, 4, 6, 8, 10}

C = {0, 1, 3, 10}

* 1. A ∪ B
	2. A ∩ C
	3. (A ∪ C) ∩ B
1. Write an equation of a line with the following conditions: ∩
	1. Through (3, 4) and parallel to the x-axis
	2. With y-intercept = 3 and

x-intercept = 5

1. Graph (using graph paper)
	1. y = -2
	2. x = 4
	3. 
	4. 
2. Solve:
	1. 
	2. 
3. Factor Completely:
	1. cx + cy + bx + by
	2. 169 – 49x2
	3. 16x4 – y4
	4. 4x2 + 20x + 25
	5. 3x2 + 5x + 2
	6. 4x2 – 8xy – 12y2
	7. 3x2 – 10x + 8
	8. a2b +a2 + 2b + 2
	9. 6x2 + 33x – 63
4. Solve:
	1. 4x2 – 17x + 4 = 0
	2. x2 + 3x = 40
	3. x3 = 81x
	4. 4x2 = 25
	5. x2 – 8x + 14 = 0
	6. x2 – 5x – 10 = 0
	7. x2 + 8x – 84 = 0
5. Simplify completely: Assume all variables

are non-negative.

* 1. 
	2. 
	3. 
	4. 
	5. 
	6. 
	7. 
	8. 
1. Solve and Graph:
	1. 
	2. 
	3. 
	4. 

**Room to show work:**