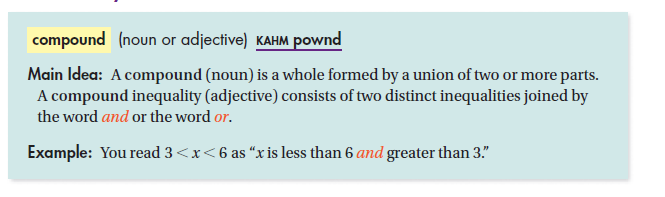
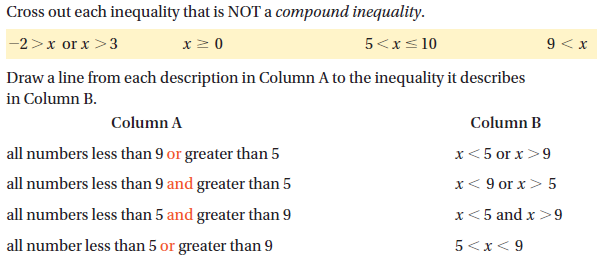
Notes – College Algebra

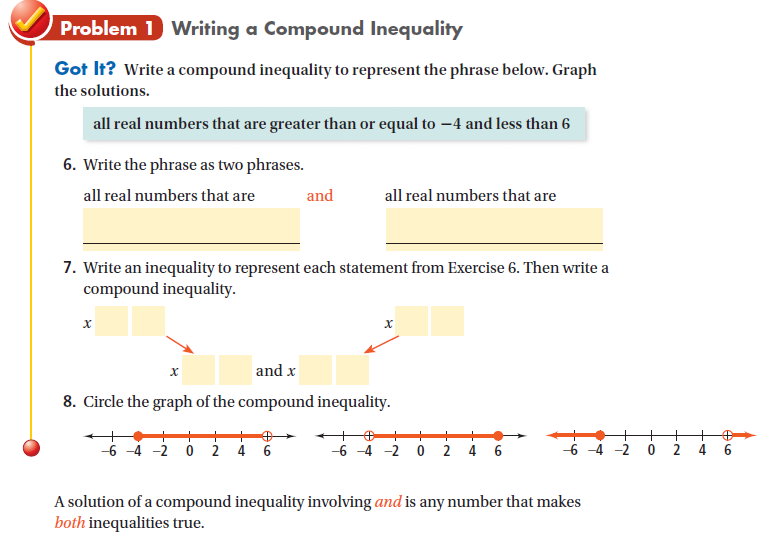
Section 3.6 – Compound Inequalities

Objective: To solve and graph inequalities containing the words ‘and’ / ‘or’

Do Now: Solve the inequalities

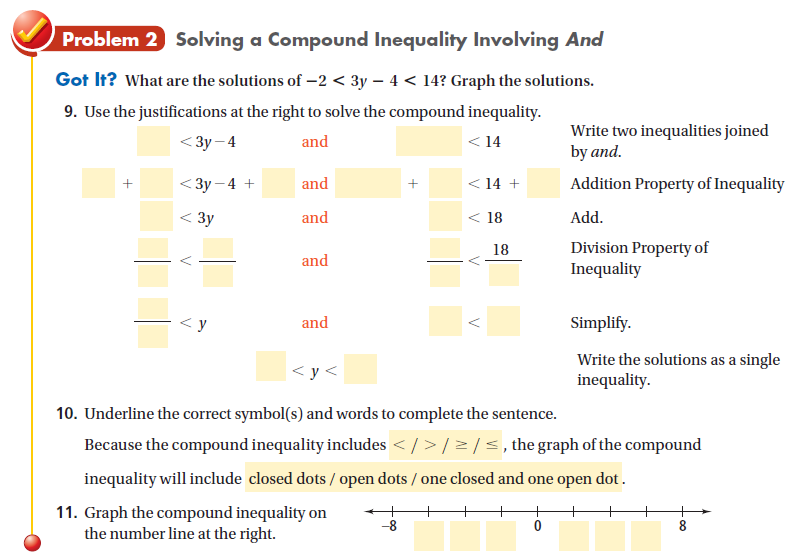






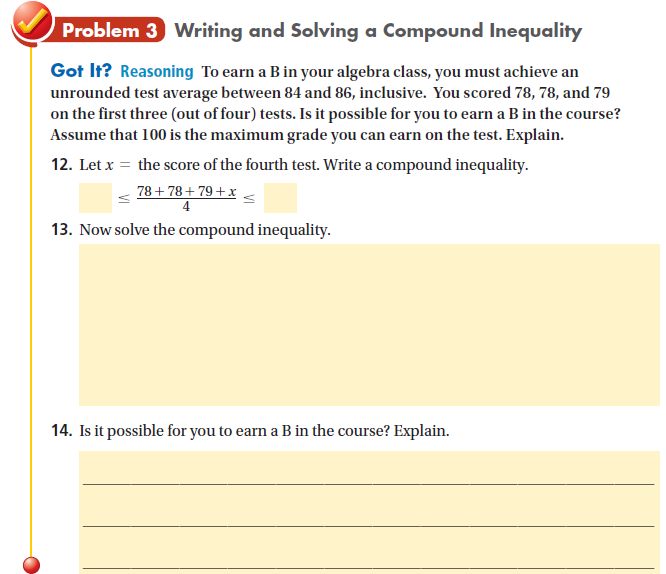
Ex: All real numbers that are greater than -2 and less than 6.

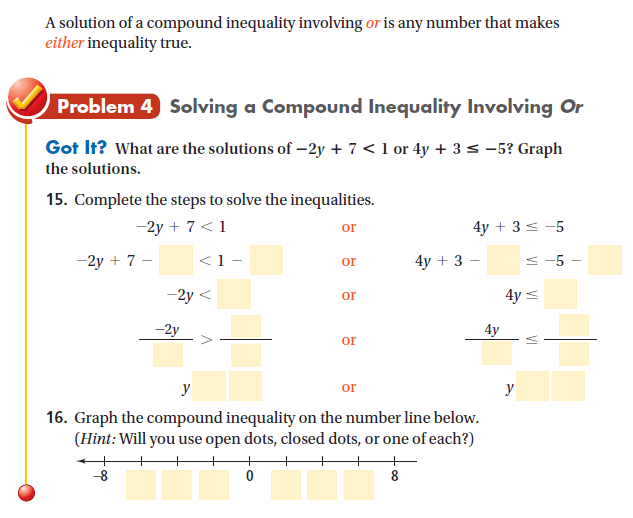
Ex: All real numbers that are less than 0 or greater than or equal to 5.



Ex: What are the solutions of ? Graph the solutions.

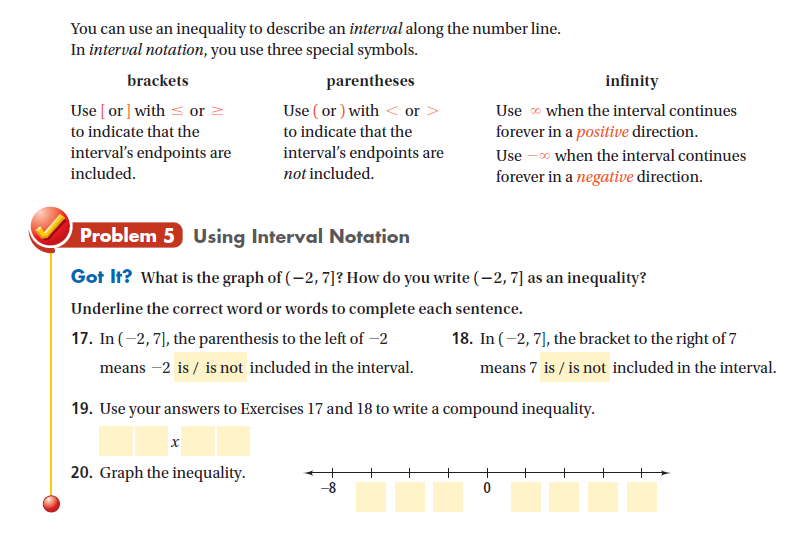
Ex: What are the solutions of ? Graph the solutions.





Ex: What are the solutions of

Ex: What are the solutions of



Ex: What is the graph of [-4, 6)? How do you write [-4, 6) as an inequality?

Ex: What is the graph of x-1 or x > 2? How do you write x-1 or x > 2 in interval notation?

HW: Section 3.6 p. 204 #12-34