AGS	1	Name:	_ Period:	Date:
Topic	: Solvin	5.5 – Solving Equations and Inequalities g equations and inequalities from a context. Write t d then solve it.	he given situ	uation as an equation or
1.	The local amusement park sells summer memberships for \$50 each. Normal admission to the park costs \$25; admission for members costs \$15.			
	a.	If Darren wants to spend no more than \$100 on tripsummer, how many visits can he make if he buys a money?	•	•
	b.	How many visits can he make if he pays the norma	al admission	instead?
	C.	If he increases his budget to \$160, how many visits	s can he mal	ke as a member?
	d.	How many can he make as a non-member with the	e increased l	budget of \$160?
2.	Jade just took a math test with 20 questions, each question is worth an equal number of points. The test is worth 100 points total.			
	a.	Write an equation that can be used to calculate Jacquestions she got right on the test.	de's score ba	sed on the number of
	b.	If a score of 83 points earns a grade of B, how man right to get at least a B on the test?	ny questions	would Jade need to get
	C.	Suppose Jade got a score of 60% and then was allowed retake, she got all the questions right that she got right that she got wrong the first time Jade get right, in total, on the retake?	ight the first	time, and also got half

## Refresh your memory

Solve each multi-step inequality, then graph.

3. 
$$4x + 3 < 1$$

4. 
$$4 - 6x \le 2(2x + 3)$$

5. 
$$x - 5 > 2x + 3$$

6. 
$$-4x + 8 > -2$$



7. 
$$2(x-3) \le 3x-2$$

$$8. \qquad \frac{3(x-4)}{12} \le \frac{2x}{3}$$



