Mr. Powder
Assessment Review 6

Math 7R
Name: _____

Read each question. Then fill in the correct answer on the answer sheet provided by your teacher or on a sheet of paper.

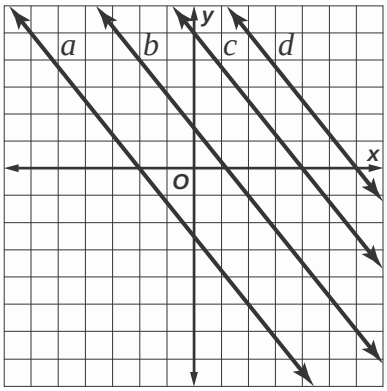
1. A sports store sells two different field hockey kits shown in the table.

Hockey	
Beginner	**Basic**
hockey stick	hockey stick
ball	ball
shin guards	

The beginner's field hockey kit costs $150. It is $15 more than three times the cost of the basic kit. What is the cost of the basic kit?

A. $35.00
B. $40.00
C. $45.00
D. $50.00

2. Which line contains the ordered pair (–2, 4)?



F. line *a*
G. line *c*
H. line *b*
I. line *d*

3. Which integer added to 12 gives a sum of –14?

A. –18
B. –20
C. –24
D. –26

4. Mrs. McDowell is making a big batch of cookies for her son's birthday. The price of the chocolate chips is 2 bags for $4.00. Use the table to determine the number of bags of chocolate chips *r* that Mrs. McDowell bought if the cost *c* was $12.

r	*r*(4 ÷ 2)	*c*
1	1(4 ÷ 2)	$2
2	2(4 ÷ 2)	$4
3	3(4 ÷ 2)	$6

5. Aida bought a costume box containing 50 costumes for $300. She sold all of the costumes and made a $250 profit. She sold all of the costumes for the same price. Use the equation $50c - 300 = 250$, where c is the selling price of each costume. What was the selling price of one costume in dollars?

6. Which of the following problems can be solved using the equation $x - 9 = 15$?

F. Allison is 9 years younger than her sister Pam. Allison is 15 years old. What is x, Pam's age?

G. David's portion of the bill is $9 more than Jaleel's portion of the bill. If Jaleel pays $9, find x, the amount in dollars that David pays.

H. The sum of two numbers is 15. If one of the numbers is 9, what is x, the other number?

I. Calvin owns 15 CDs. If he gave 9 of them to a friend, what is x, the number of CDs he has left?

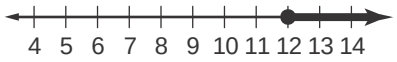
7. What value of x makes this equation true?

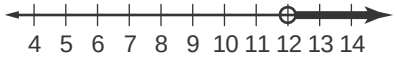
$$4x + 7 = 43$$

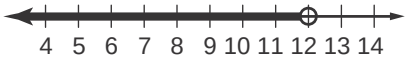
A. 12 B. 10

C. 9 D. 8

8. Joshua spends $0.25 for every song he downloads to his cell phone. Which of the following represents the number of songs he can download if he has at least $3?

F. 

G. 

H. 

I. Not enough information is given.

9. Rico, Carolina, and Gloria have pizza that they are going to be sharing with other people. Rico gave away $\frac{1}{3}$ of his cheese pizza to Carolina and she gave him $\frac{3}{7}$ of her pepperoni. Rico then gave Gloria $\frac{1}{7}$ of his cheese pizza. How much pizza, pepperoni and cheese, does Rico have now?

10. For a warm up, Samuel runs 200 yards less than half the maximum distance he can run. This is represented by the equation $r = \frac{1}{2}x - 200$, where x represents the 2 maximum distance he can run and r represents the distance run during his warm up. If Samuel ran 1,600 yards during his warm up, what is the maximum distance he can run?

A. 3,600 yards
B. 2,400 yards
C. 1,800 yards
D. 1,600 yards

11. What is the value of 20 ÷ (–4)?

F. –5
G. –7
H. 5
I. 4

12. Ines is in a hot air balloon 89 feet above the ground. A bird is flying 15 feet above the hot air balloon. How high off the ground is the bird in feet?

13. A first–time bungee jumper is about to make his first jump. When the bungee jumper jumps, he will fall 5 feet every 0.5 second.

Part A Let *s* be the total number of seconds in a jump and *h* be the height of the jump. Write an equation that can be used to find *s*.

Part B Use your equation to calculate the total seconds for a 150-foot jump. Show your work.