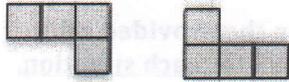


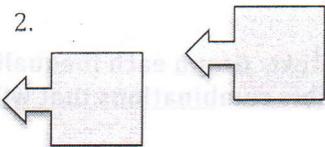
READY, SET, GO! Name _____ Period _____ Date ~~_____~~

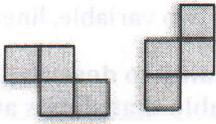
READY

Topic: Transformations

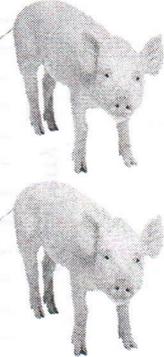
Each set of pictures below shows a transformation from a "pre-image" to an "image." The word *transformation* in mathematics refers to how a figure can be moved. You might know transformations as "slide, flip, or turn" or by their formal names. Identify the transformation between the two figures by writing *slide*, *flip*, or *turn* next to the pair of images.

1. 

2. 

3. 

4. 

5. 

6. 

SET

Topic: Using equivalence to solve systems of equations

7. Mike and Gavin visited the amusement park with their science class on a school physics day. Their tickets were stamped each time they went on a ride. Mike and Gavin spent the entire afternoon going on their two favorite rides, the Rollercoaster and the Gravity free-fall. At the end of the day their tickets were stamped as shown.

What was the cost to ride on the Rollercoaster?
What was the cost to ride on the Gravity free-fall?

Physics Day Rides	
Rollercoaster	✓ ✓ ✓
Gravity free-fall	✓ ✓ ✓
Total	\$36.00

Mike's ticket

Physics Day Rides	
Rollercoaster	✓ ✓
Gravity free-fall	✓ ✓ ✓
Total	\$29.50

Gavin's ticket

8. Mallory and Meg also attended the physics day with their school. Their favorite rides were Splash Mountain and the Centrifugal Chamber. Here are their stamped tickets at the end of the day. Find the cost of each ride.

Mallory's ticket

Physics Day Rides	
Splash Mtn.	✓ ✓ ✓ ✓
Centrifugal Ch.	✓ ✓
Total \$39.50	

Meg's ticket

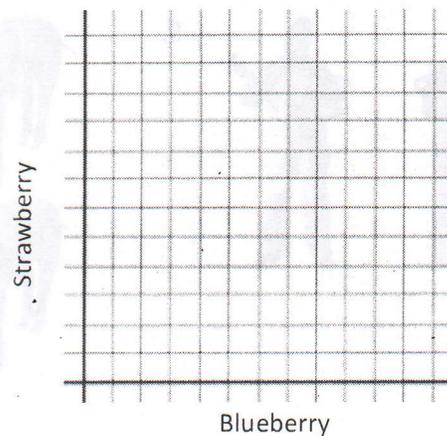
Physics Day Rides	
Splash Mtn.	✓ ✓ ✓
Centrifugal Ch.	✓ ✓ ✓ ✓
Total \$42.75	

GO

Topic: Graphing two variable, linear inequalities

Write an inequality to describe the given context. Graph each inequality on the provided grid. Then make a table that shows at least 3 possible combinations that will work for each situation.

9. Dion has enough money to buy up to eight yogurts. His favorite flavors are blueberry and strawberry.



10. Shaniqua is buying a balloon bouquet. Her favorite colors are silver and purple. The silver balloons cost \$1.00 and the purple balloons cost \$0.80. How many of each color of balloon can she put in her bouquet if she doesn't spend more than \$20 on her bouquet?

