46. FIELD TRIP You and two friends buy snacks for a field trip. You spend a total of $8, Jeff spends $9, and Curtis spends $9. The table shows the amounts of mixed nuts, granola, and dried fruit that each person purchased. What is the price per pound of each type of snack?

	Mixed nuts	Granola	Dried fruit
You	1 lb	0.5 lb	1 lb
Jeff	2 lb	0.5 lb	0.5 lb
Curtis	1 lb	2 lb	0.5 lb

47. ◄ **TAKS REASONING**   A florist must make 5 identical bridesmaid bouquets for a wedding. She has a budget of $160 and wants 12 flowers for each bouquet. Roses cost $2.50 each, lilies cost $4 each, and irises cost $2 each. She wants twice as many roses as the other two types of flowers combined.

  a. Write Write a system of equations to represent this situation.

  b. Solve Solve the system of equations. How many of each type of flower should be in each bouquet?

  c. Analyze Suppose there is no limitation on the total cost of the bouquets. Does the problem still have a unique solution? If so, state the unique solution. If not, give three possible solutions.

48. CHALLENGE Write a system of equations to represent the first three pictures below. Use the system to determine how many tangerines will balance the apple in the final picture. *Note:* The first picture shows that one tangerine and one apple balance one grapefruit.
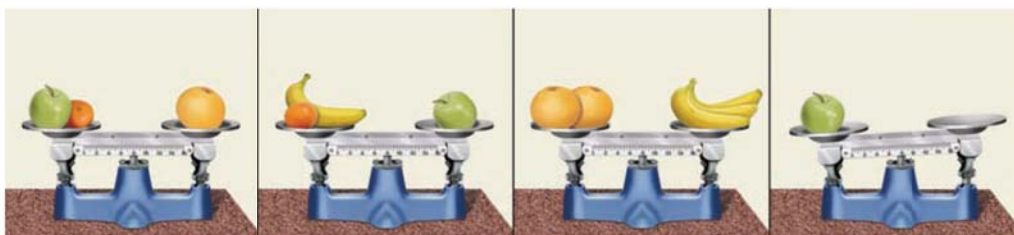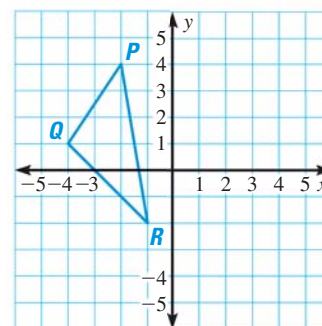
MIXED REVIEW FOR TAKS

49. ◄ **TAKS PRACTICE** What are the vertices of a triangle congruent to △PQR shown at the right? *TAKS Obj. 6*

  (A) (3, 1), (1, −2), (4, −5)   (B) (2, 3), (−1, 1), (2, −2)

  (C) (0, 2), (−2, −1), (−3, −4)   (D) (−2, −3), (−4, 1), (−1, 4)

50. ◄ **TAKS PRACTICE** What special type of quadrilateral has the vertices $K(-4, 3)$, $L(-7, 3)$, $M(-9, -1)$, and $N(-2, -1)$? *TAKS Obj. 7*

  (F) Square   (G) Trapezoid

  (H) Kite   (J) Parallelogram