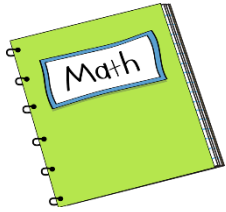
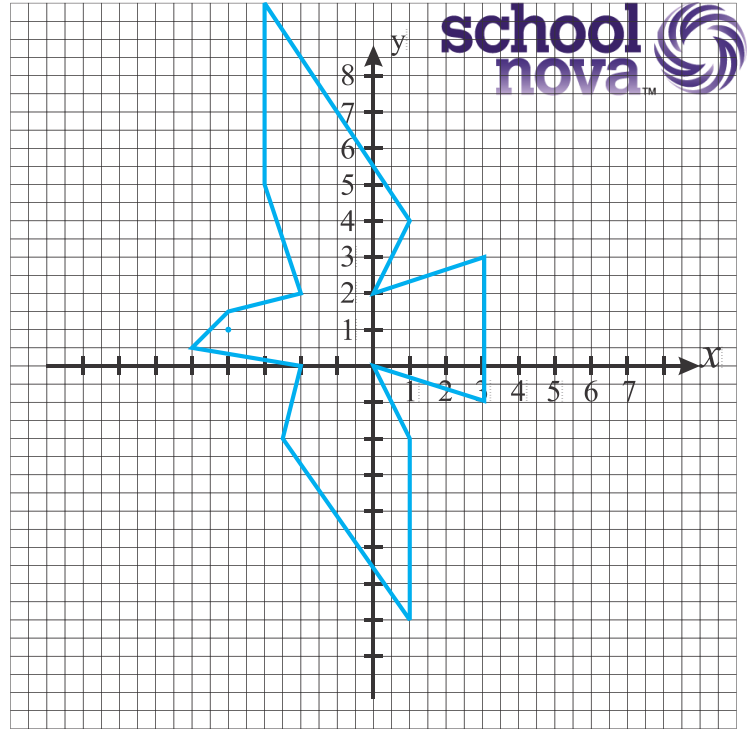


Math 4a. Homework 18.

- Write the list of coordinates in order they need to be connected to get the picture. Start from the point (3, -1).
- Draw the coordinate system in your notebook and using the coordinate below draw the picture connecting points in order as shown by arrows:

(-7; -2) → (-5; -3) → (-3; -3) → (-4; -4) → (-5; -8) → (-3; -9) → (1; -9) → (2; -6) → (2; -9) → (8; -9) → (8; -4) → (9; 0) → (11; -5) → (11; -1) → (8; 7) → (5; 8) → (1; 8) → (-3; 9) → (-6; 9) → (-8; 8) → (-10; 5) → (-10; 0) → (-9; -4) → (-9; -8) → (-7; -8) → (-7; -2) → (-6; 1) → (-3; -2) → (0; -2) → (1; 0) → (2; 4), (0; 7) → (-3; 8) → (-5; 7) → (-6; 1) → (-2; -4) → (0; -6) → (4; -6) → (5; -5) → (-7; 2).



- If Mark will buy 15 notebooks he will have 7 dollars left, if he will buy 20 such notebooks he will need 8 more dollars. How much money does Mark have?
- Which sign (+, -, ·, ÷) should be placed instead of \* to make the following equalities true statements.

$$\frac{7}{8} * 1\frac{1}{7} = 1$$

$$\frac{3}{7} * \frac{4}{7} = \frac{3}{4}$$

$$2 * 1\frac{1}{3} = \frac{2}{3}$$

$$\frac{3}{10} * \frac{5}{6} = \frac{1}{4}$$

- To prepare 4 portion of seasoning you need  $\frac{1}{3}$  teaspoon of salt,  $\frac{1}{4}$  teaspoon of pepper and  $\frac{1}{2}$  teaspoon of clove. How many teaspoons of salt, pepper, and cloves do you need to prepare 30 portion?
  - A pie recipe calls for 4 eggs, 1.5 cup of sugar, and  $\frac{2}{3}$  cup of flour. How much sugar and flour do you need to prepare a dough using 9 eggs?

6. A car travels  $x$  km in 2 hours and a bus travels  $x$  km in 3 hours. How much faster is a car compared to a bus?
7. Compute by the most convenient way:
- $5.1 + 8.4 - (-5.1) - 10.2 - (+8.4) - 9.8 - (15)$ ;
  - $-7.81 + 9.64 - 5.32 - (+7.81) + (5.32) - 9.64$ ;
  - $13.4 + 8.22 - (+1.3) - (-4.78) + (-8) - 10 - 3.4$
  - $-21 + (-0.68) - (-7.4) + (-3.2) - (+6.8) + 21.68$ ;
  - $-48 + 51 \div 10 + 4.8 \cdot 10 + (-6.4) - 51 - (-7.2) - (+3)$ ;
  - $93 + 8.23 \cdot 10 - (-9.6) + (-82.3) + 9.3 \cdot (-10) - (+0.4)$ ;
  - $2.4 \div (-2) - 3.8 - (-5.9) - (+6.2) + 1.2 + 4.1$ ;
  - $-(-7.7) + (-8.1) \div 9 + 0.9 - (+1.4) + 15.4 \div 2 - (-8.2)$ ;
8. The distance between two cities is 165 km. Two cars, which started moving toward each other from the two cities at the same time meet after 1.5 hour at the rest area, which is 90 km from the city A. What is the speed of each car?