

MATH 4: Homework 18

Due February 24, before the start of the class

Homework must be submitted on time—at least 15 minutes before the start of the class.

Homework will not be graded after the solutions are posted on Google Classroom.

Write the answers on separate sheets of paper, not between the lines.

1. Show that the left hand side is equal to the right hand side of the equality:

a) $(12x + 6) \cdot \frac{3}{4} - (8 + 16x) \cdot \frac{3}{4} = 4x + 2$

b) $(3x - 9) \cdot \frac{2}{5} - (x - 3) \cdot \frac{5}{6} = 0$

2. Write the fraction into decimals

a) $1.13 =$

b) $1.03 =$

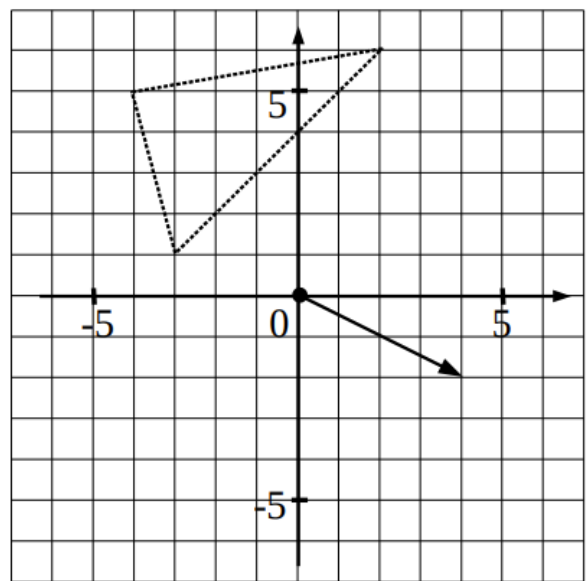
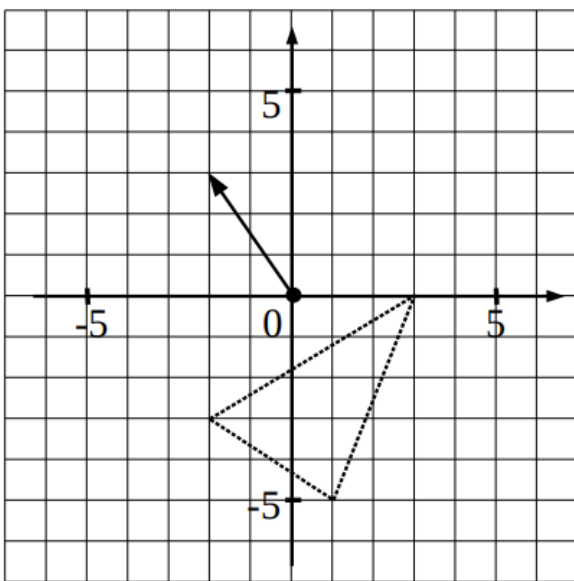
c) $0.12 =$

d) $0.012 =$

3. Cities **A** and **B** are 160 km away from each other. At noon, a bus leaves from each city bound to the other one. One bus moves at 45 km/h. Another bus moves at 35 km/h. When will the buses meet?

4. On the lawn grew 35 yellow and white dandelions. After eight whites flew away, and two yellows turned white, there were twice as many yellow dandelions as white ones. How many whites and how many yellow dandelions were on the lawn at the beginning?

5. Move the shapes according to the instructions given by the arrows



6. Solve the equations below.

a) $7 - (x \div \frac{4}{3}) = 4$

b) $\frac{2}{7}x + 8 = 6$

c) $|\frac{3}{4}y - 4| = 3$