Monday
1. Simplify:

a) $\dfrac{3}{4} + \dfrac{3}{8}$

b) $\dfrac{3}{4} \cdot \dfrac{3}{8}$

c) $\dfrac{3}{4} \div \dfrac{3}{8}$

d) $\dfrac{3}{4} - \dfrac{3}{8}$

2. Translate using the rule $(x,y) \longrightarrow (x - 5, y + 2)$
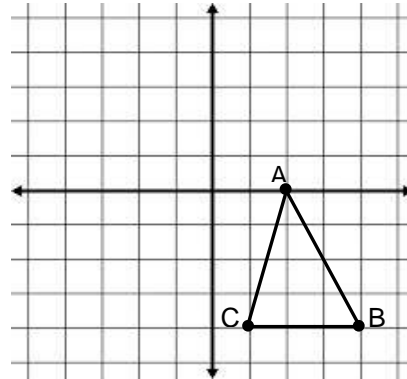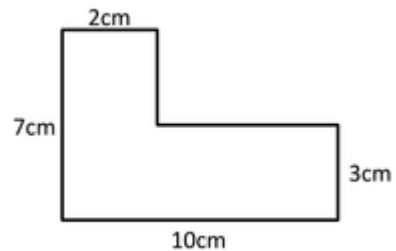and label the image.

Image Coordinates:
A': (,) B': (,) C': (,)

3. Solve:
a. $-3(-2x - 1) - 8x = 10x + 12 - 4x$
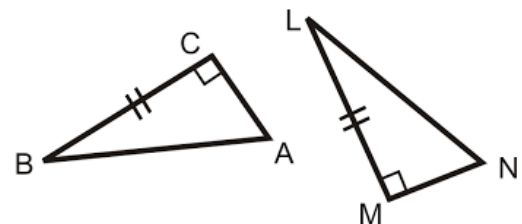
b. $2x + 9 - x = -2(x - 6) - 10$

4. Find the area and perimeter of the figure:

2cm

7cm

3cm

10cm

Area=_____   Perimeter =_____

5. Name all the congruent sides and angles of the congruent triangles:

_____ $\cong$ _____   _____ $\cong$ _____

_____ $\cong$ _____   _____ $\cong$ _____

_____ $\cong$ _____   _____ $\cong$ _____

Tuesday

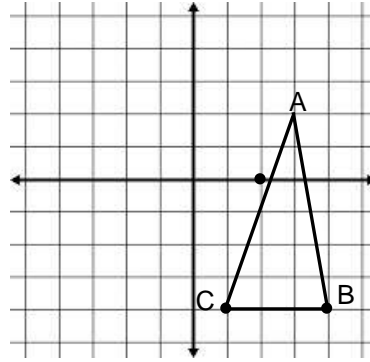**1.** Reflect the figure over the *y*-axis and label the image.

Image Coordinates:
  A': (,) B': (,) C': (,)

2. Find the value of x (hint: simplify the fraction first or look for a relationship)

a. $\dfrac{20}{x} = \dfrac{70}{35}$

b. $\dfrac{33}{18} = \dfrac{11}{x}$

3. Use order of operations to simplify:

a) $28 \div 4 \cdot 9 - 22$

b) $-8(10 - 25) - (-30)$

c) $\dfrac{12 + 21}{3} - 18 \div 3$
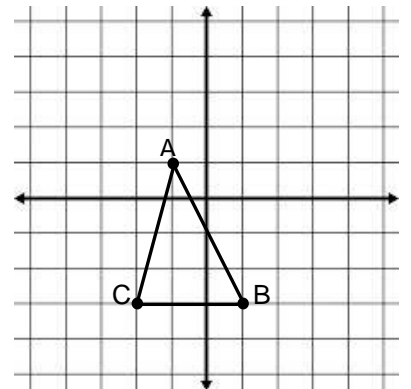
4. Solve:

a. $-3(5x + 1) - 12 = -(15x + 15)$

b. $\dfrac{3}{5}x + 1\dfrac{1}{2} = 6\dfrac{1}{2}$

6. Translate using the rule $(x,y) \longrightarrow (x + 3, y - 2)$ and label the image.

Image Coordinates:
  A': (,) B': (,) C': (,)

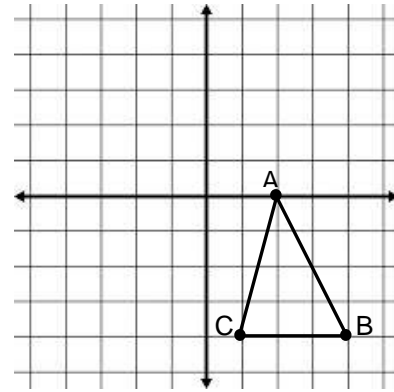**Wednesday HW:**
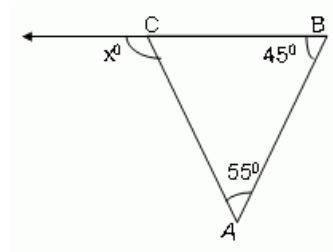IN YOUR BOOK: page 65 #7-12 and page 69 #1- 10

Quiz tomorrow!!!

Thursday

1. Rotate 90° counter-clockwise
and label the image.

Image Coordinates:
A': (,   ) B': (,   ) C': (,   )

2. Find the measures of angle x.
Explain your reasoning.

3. Simplify:

a. –6 – 8 – 9   b. –9(12) +12   c. –7 + 12 – (–10) –12

4. Simplify: DON"T USE YOUR CALCULATOR!!!
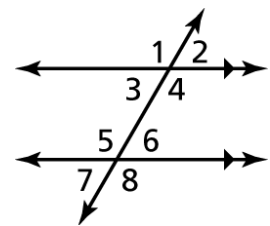
a. $\dfrac{7}{10} \div \dfrac{5}{12}$ b. $6\dfrac{1}{2} \cdot 14$ c. $1\dfrac{2}{3} \cdot 5\dfrac{1}{2}$ d. $\dfrac{5}{6} + \dfrac{7}{8}$

Use the diagram at the right to complete the statements below:

a. If the measure of ∠3 = 45°, then the measure of ∠6 = __?__ because they are _____

b. If the measure of ∠5 = 122°, then the measure of ∠8 = __?__ because they are _____

c. If the measure of ∠4 = 142°, then the measure of ∠6 = __?__ because they are _____
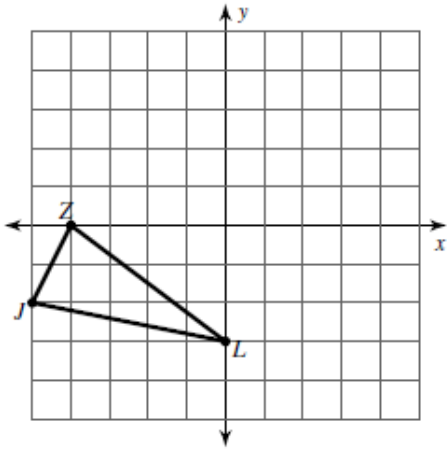
Friday:
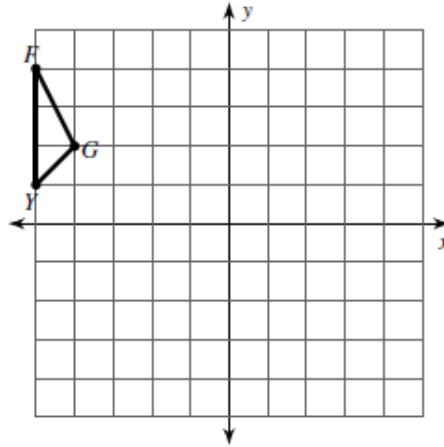**Transformations review worksheet (on back of this paper)**

Friday
Transformations Review

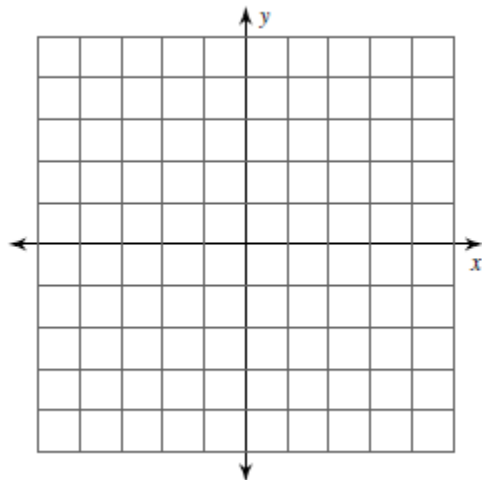1) rotation 90° counterclockwise about the origin

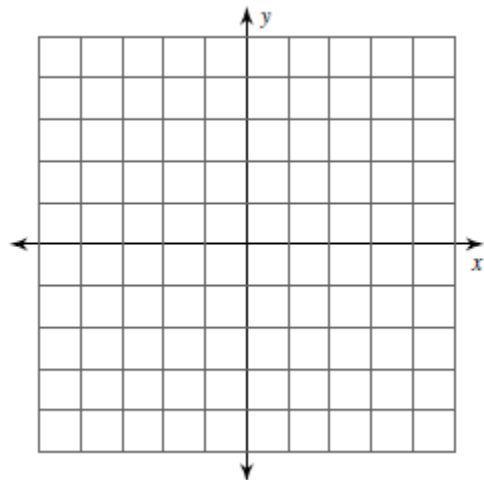2) translation: 4 units right and 1 unit down

Find the coordinates of the vertices of each figure after the given transformation:
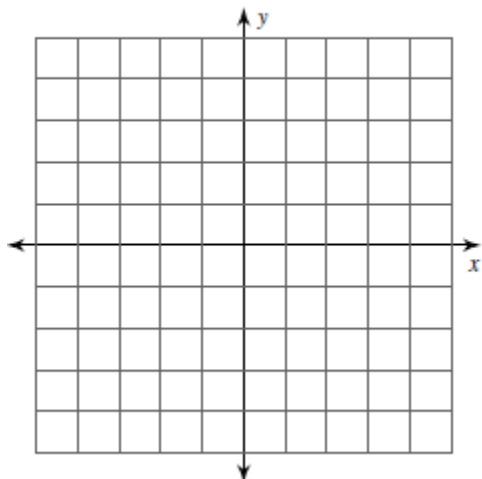
3) Draw quadrilateral A (-2, 0) B (-4, 3) C (-3, 4) D (-1, 4) then rotate 90° clockwise.

4) Draw quadrilateral A (1, 3) B (0, 5) C (1, 5) D (3, 2) then reflect across y-axis.

5) Translate (x,y)——→(x + 4, y − 1)
B(−2, 0), C(−4, 3), Z(−3, 4), X(−1, 4)

6) Reflect across the x-axis.
K(−5, −2), A(−4, 1), I(0, −1), J(−2, −4)