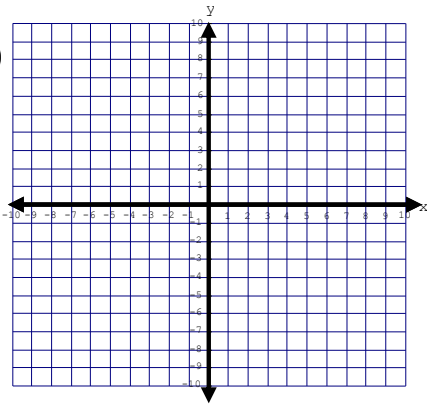
April 29 & May 1 **(**8CP) Name _____

Monday

1a. Graph the shape that has coordinates A (−3, −2), B (2, 4), and C (−2, 3)



Coordinates: A' _____ B' _____ C' _____

b. Dilate the **original** shape by a factor of **2**. 2nd image Coordinates:
A" _____ B" _____ C" _____

c. Reflect the **original** shape over the ***x*-axis**. 3rd image Coordinates:
A"' _____ B"' _____ C"' _____

2. Solve the system: $y = 2x - 4$ $x + y = 5$ (solve for y first!!)

3.

Original form	Factored form	Simplified exponent form
$20^3 \bullet 20^4$		
$(x^4y^5)^3$		
$\frac{x^5y^4}{x^3y^6}$		

4. Write these numbers using standard notation: **a.** 6.4×10^{-8} **b.** 2.1112×10^{7}

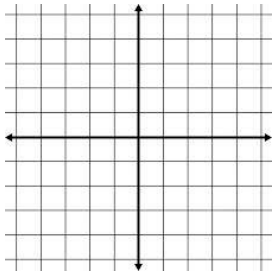
Wednesday

1. Find the volume. Round to the nearest tenth.

a. cone with radius 5 cm and height 12 cm b. sphere with radius 9 cm.

2. Graph the system. What is the solution?

$y = -\frac{1}{3}x + 5$ $y = -\frac{1}{3}x - 2$



3. Tell whether each number is rational or irrational:

$\sqrt{16}$ $\frac{4}{3}$ $\sqrt{7}$ $-0.\overline{8}$

4. Find the measures of angles 1, 2, 3, and 4.
What can you call angles 4 and 3?
What can you call angles 2 and 3?