Math 8CP May 28- 31 Final Review for EOCE

Tuesday:

1. Classify each number as Rational (R) or Irrational (I): $\frac{2}{3}$, π , $\sqrt{144}$, 1.3, $\sqrt{48}$

2. Write a linear equation in slope-intercept form for the table.

Input, <i>x</i>	0	1	2	3	4
Output, y	7	4	1	-2	-5

#3-5 Solve the equations:

3. -7x + 8 = 71 **4.** $-12 = \frac{x}{4} - 7$

5.
$$-2(x+4)-6=26$$

6. Graph $y = -\frac{1}{3}x + 7$



Wednesday:

1. Write an equation and solve:

"19 decreased by four times a number is 17"

7. Which line is the graph of y = 4x - 1?



2. Solve the system: y = 2x + 5 and 2y - 2x = 8

#3-6. Simplify:

3.
$$(a^5b^7)(ab^2)$$
 4. $\frac{18x^{10}}{3x^9}$ **5.** $(6x^3)^2$ **6.** $5x^{-2}$

. .

7. What is the value of x that would make this equation true? $\frac{m^{24}}{m^x} = m^9$

Thursday:

1. Find the equation of these lines:
a. Slope is $-\frac{1}{2}$ and goes through point (4, -3) b. Goes through (1, -5) and (-2, 1)
 2. Write the number using scientific notation. a. 0.00008037 b. 580,000
3. Write each number in standard form. a. $4.2 \bullet 10^7$ b. $1.8 \bullet 10^{-4}$
4. Multiply and express your answer in scientific notation. $(1.7 \times 10^{-5})(5.5 \times 10^{3})$
5. Divide and express your answer in scientific notation. $(2.7 \times 10^{12}) \div (3 \times 10^{3})$
6. Write the number 25 using exponents. 7. Write the number 8 using exponents.

8. Find the cube root of 64.

Friday:









3. A cone and its dimensions are shown below. What is the volume of the cone? Leave your answer in terms of π .



- 4. a. Find the distance between the points in the coordinate grid.
 - b. Find the slope of the line.

