20 in 20: Week 3 - July 16th

Ex. 1 Which number is bigger?

25×1040 00 9×109

Ex. 3 Write the number in scientific notation.

7.2x10-5

Ex. 5 Simplify the following.

8.0-6.3 = 1.7

Ex. 7 Simplify the following.

30-2.6 = 18.6 \$108]

Ex. 9 Solve the equation.

-x = 7 (x=-21)

Ex. 11 Write an equation of the line that goes through the following points.

(0,3) (-2,-1)

Y= 2x+3]

Ex. 2 Write the number in scientific notation.

53,000,000,000

Ex. 4 Simplify the following.

-Z.S-1.S = -4

Ex. 6 Simplify the following.

4.3-6.5 = -2.2

Ex. 8 Solve the equation.

S = X S = X

Ex. 10 Simplify.

15 =[1

Ex. 12 Write an equation of the line that goes through the following points.

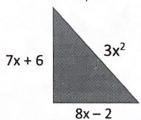
(5,-4) (0,-6)

 $\frac{-6-4}{0-5} = \frac{-2}{-5}$ $\sqrt{y=\frac{2}{3}x-6}$

Ex. 13 Line
$$y = -8x + 1$$
 is graphed.
What is the slope of a line parallel to this line? Perpendicular?

Ex. 15 Solve the equation.

Ex. 17 Find the perimeter and the area of the shape.



Ex. 19 Solve and graph the inequality.

Ex. 14 Line
$$y = \frac{1}{3}x + 4$$
 is graphed.
What is the slope of a line parallel to this line? Perpendicular?

Ex. 16 Solve the equation.

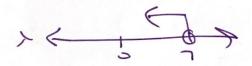
$$\frac{2x-1}{5} = 3$$

$$2x-1=15$$

$$2x = 16$$

$$x = 8$$

Ex. 18 Solve and graph the inequality.



Ex. 20 Solve the system of equations.

$$y=3x+4$$
 $2x+3y=1$
 $(-1,1)$
 $2x+3(3x+4)=1$
 $2x+9x+12=1$
 $11x=-11$
 $y=-1$