Jan. 31, 2019
Periods 1,2,4,6

Place homework on your desk.
Warm Up- Session 1, #12

x	1	2
y	3	4

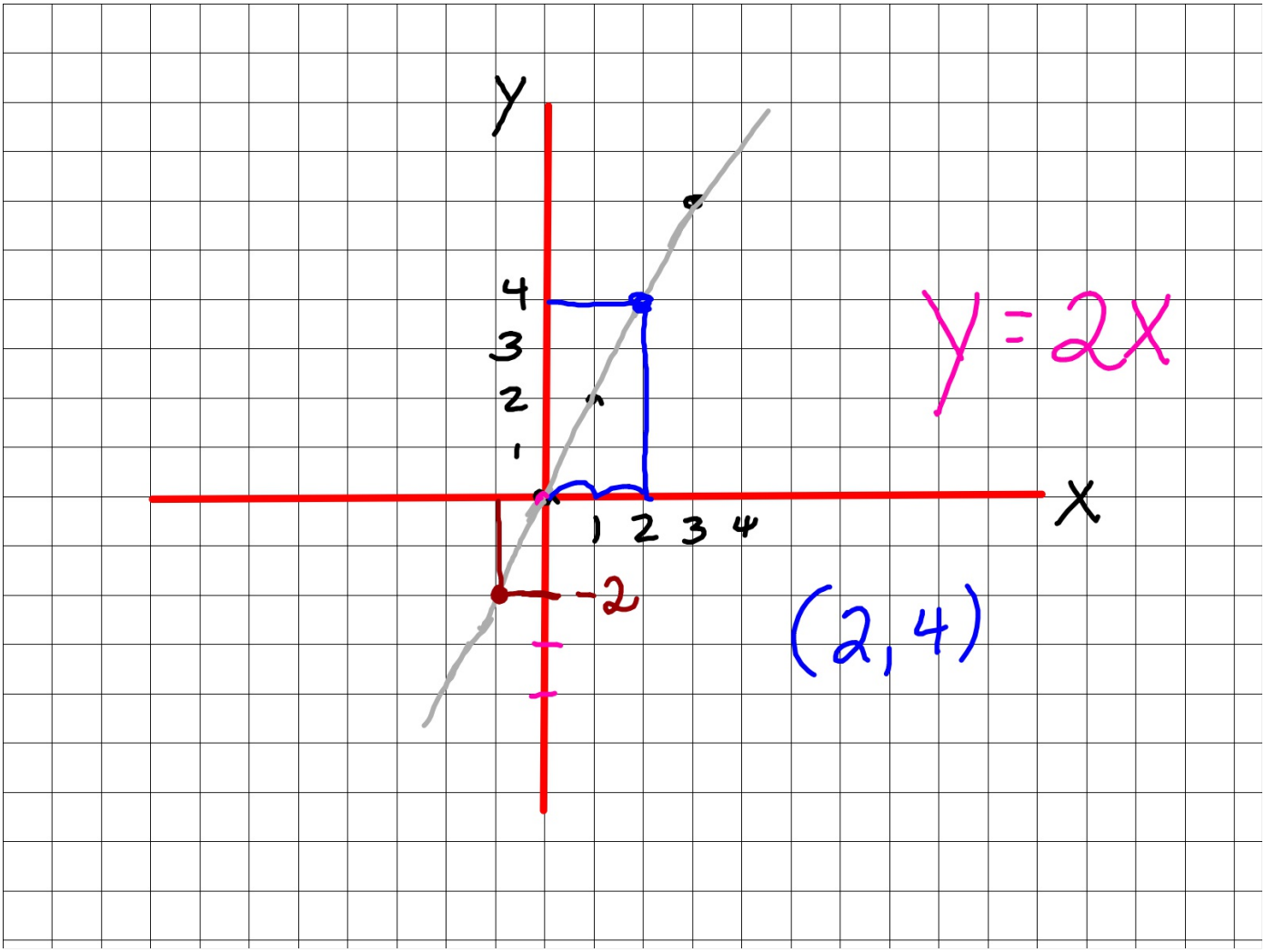
$y = x + 2$

Class Work -

- **Check Homework together**
- **12.3 Reteach and Practice**
- **Make -up quiz 12.1**

Homework:
Take home quiz 12.2

12.3 worksheets and take-home quiz are due Monday, Feb.4


y
x
4
3
2
1
1 2 3 4
-2
y = 2x
(2, 4)

Jan. 31, 2019
Period 5
Essential Question: How do you use exponents to represent numbers?

Warm Up-

Find the value of each power:

1) 3 raised to the fifth power $3^5 = 243$

2) 17 rasied to the zero power or $17^0 =$

3) (1/7) rasied to the second power. $\left(\frac{1}{7}\right)^2 = \frac{1}{7} \cdot \frac{1}{7} = \frac{1}{49}$

What is another name for raised to the second power? squared

4) 0.6 squared $(0.6)^2$

$$\begin{array}{r} 0.6 \\ \times\ 0.6 \\ \hline \end{array}$$

17^0

$x^0 = 1$

$\left(\frac{1}{5}\right)^0 = 1$

$2^5 = \underbrace{2 \cdot 2}_{4} \cdot \underbrace{2 \cdot 2}_{4} \cdot 2 = 32$ $\div 2$

$2^4 = 2 \cdot 2 \cdot 2 \cdot 2 = 16$ $\div 2$

$2^3 = 2 \cdot 2 \cdot 2 = 8$ $\div 2$

$2^2 = 2 \cdot 2$ $\div 2$

$2^1 = 2$ $\div 2$

$2^0 = 1$

$3^3 = 3 \cdot 3 \cdot 3 = 27$

$3^2 = 3 \cdot 3 = 9$ ÷3

$3^1 = 3$ ÷3

$3^0 = 1$ ÷3

Period 5
Class Work :
Check Homework
Moldule 9 pg. 240

Homework - pg. 241 odd #s

$2^5 =$

$2^4 =$

$2^3 =$

$2^2 =$

$2^1 =$

$2^0 =$

Answers to Packet 9.2:

Reteach

1) 1x28, 2x14, 4x7
2) 3x5, 1x15
3) 1x36, 2x18, 3x12, 4x9, 6x6
4) 1x29 Prime

5) 2x2x7
6) 3x3x5
7) 2x5x5
8) 2x2x2x3x3

28
1·28
2·14
4·7

15
1·15
3·5

Practice A/B

3) 48

4) 27

5) 44

$2 \cdot 2 \cdot 11$

6)125

5^3

7) 85

$5 \cdot 17$

8)39

$3 \cdot 13$

Practice 9-3 Order of Operations Answers

1) 4x6 2) 8/2 3) (2+5)

4) 7 to the third power 5) (8-4) 6) 3 raised to the third power

7) G
8) F
9) H
10) A
11) C
12) E
13) D
14) B

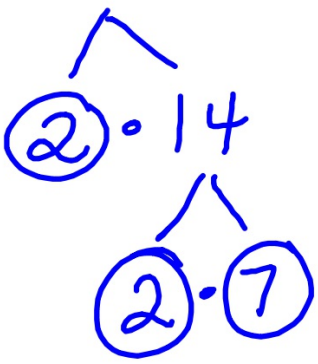
15) (3x4) + %.95

16) (240 +360) / 100

2^3

5) 2, 3, 5, 7, 11

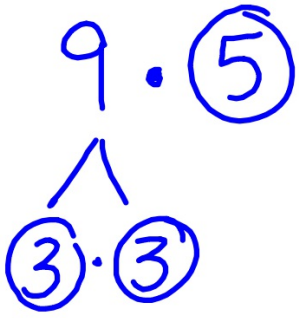
28



$2 \cdot 2 \cdot 7$

$2^2 \cdot 7$

6) 45

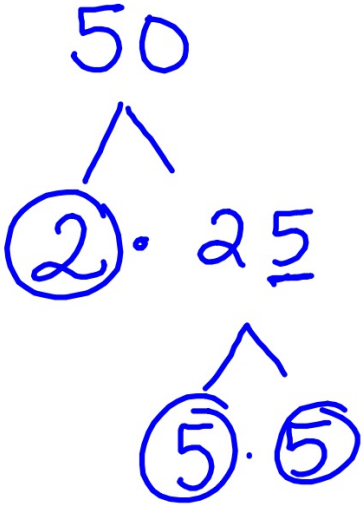


$3 \cdot 3 \cdot 5$

$3^2 \cdot 5$

2, 3, 5, 7, 11

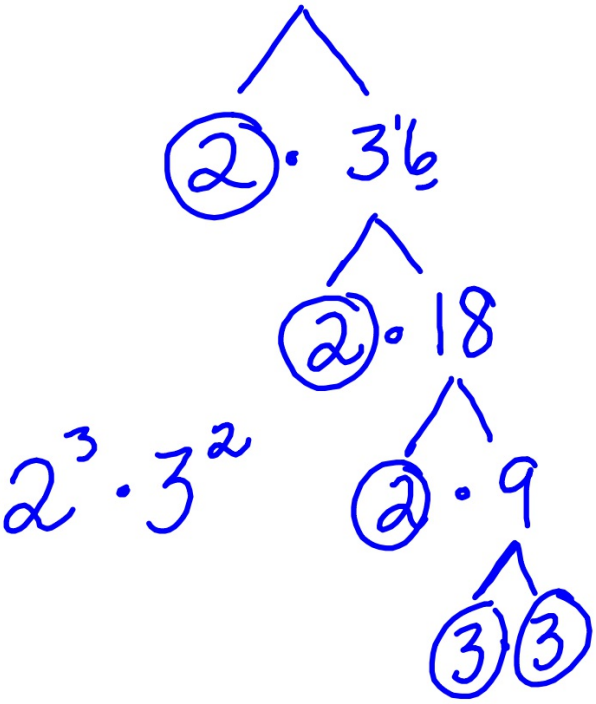
7) 50



$2 \cdot 5 \cdot 5$

$2 \cdot 5^2$

8) 72



$2^3 \cdot 3^2$