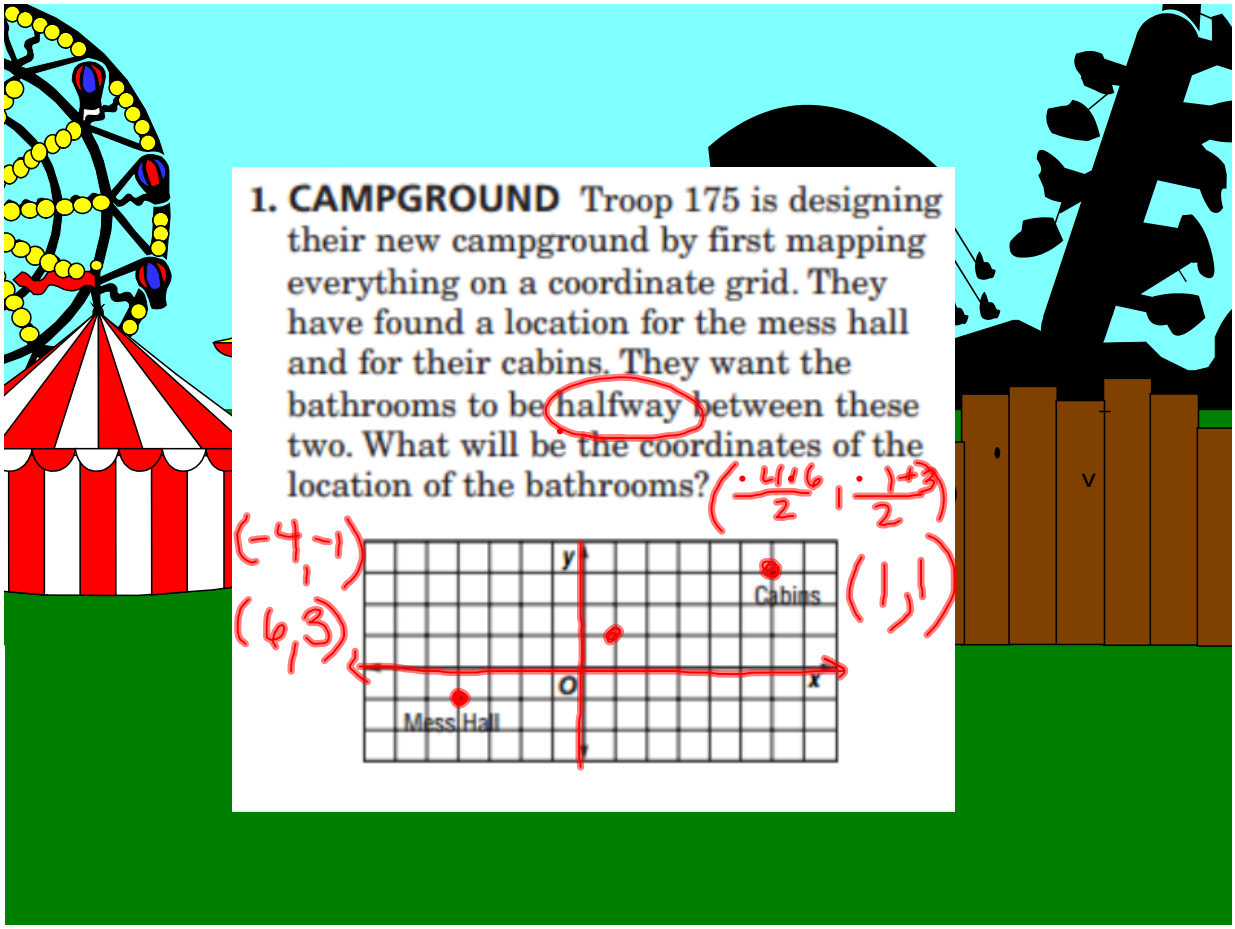
Welcome! Please grab your ISN and complete your WARM UP in the Google classroom!!

Sep 12-8:56 AM



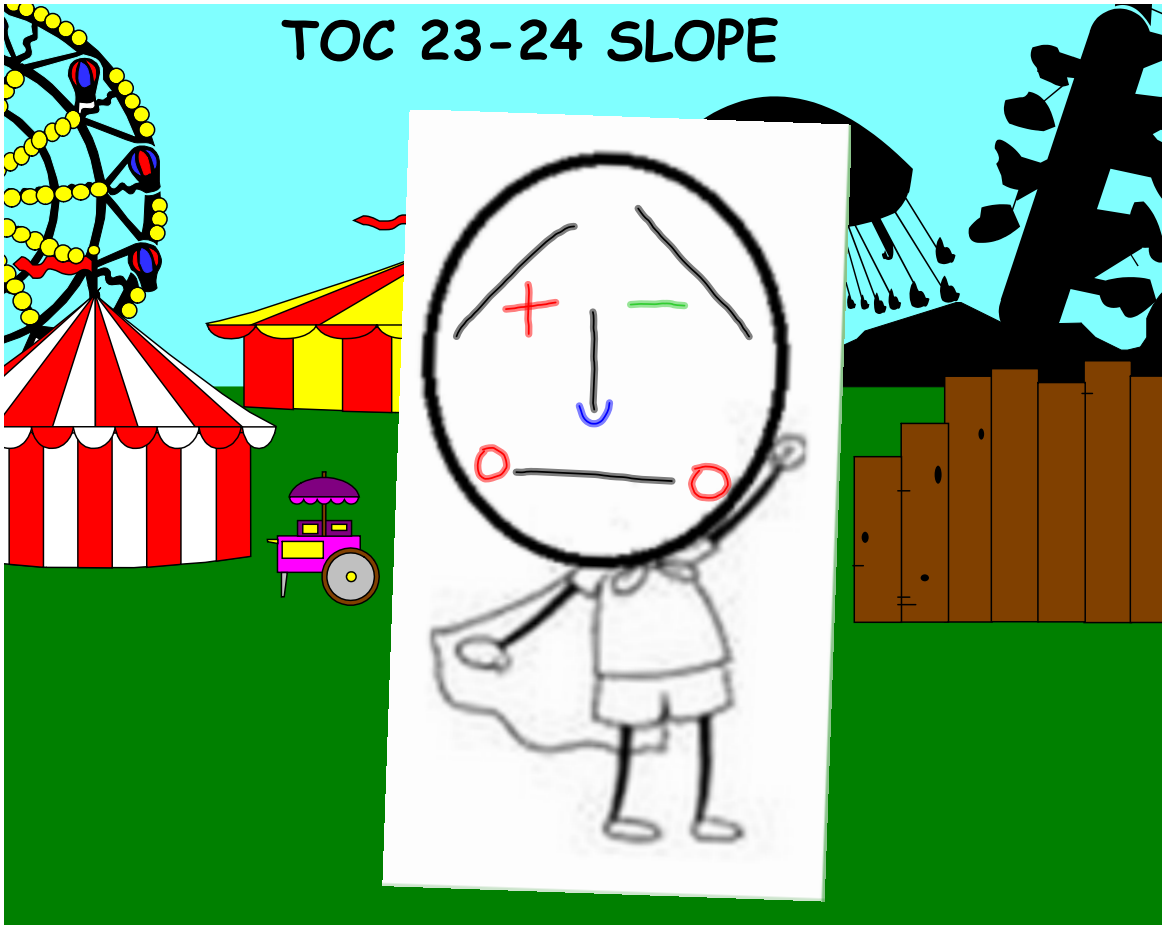
Fair grounds

WWK pg 19

- slope - $\frac{\text{rise}}{\text{run}}$ - rate of change for an equation or Line

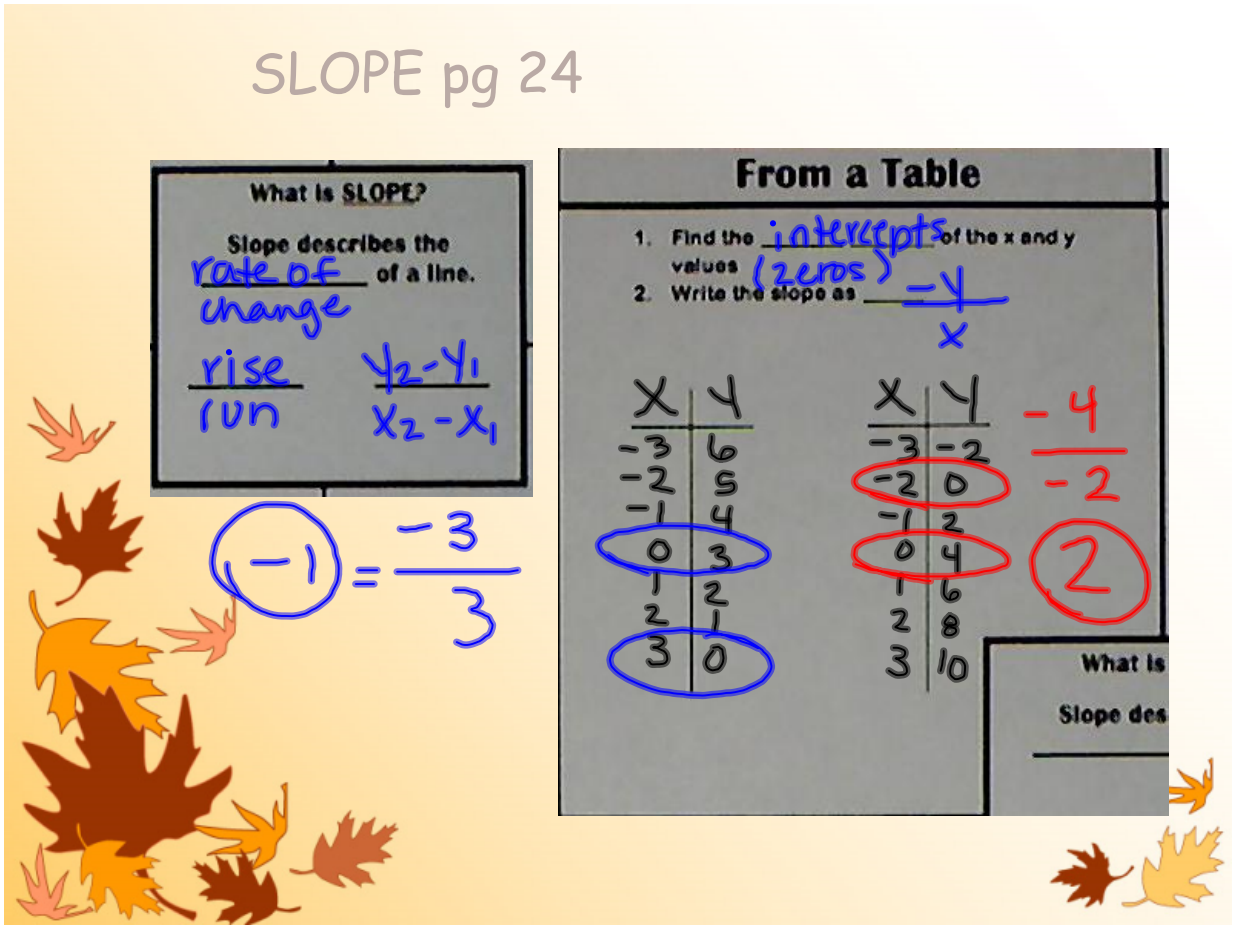
$$\frac{y_2 - y_1}{x_2 - x_1}$$

Sep 4-8:04 AM



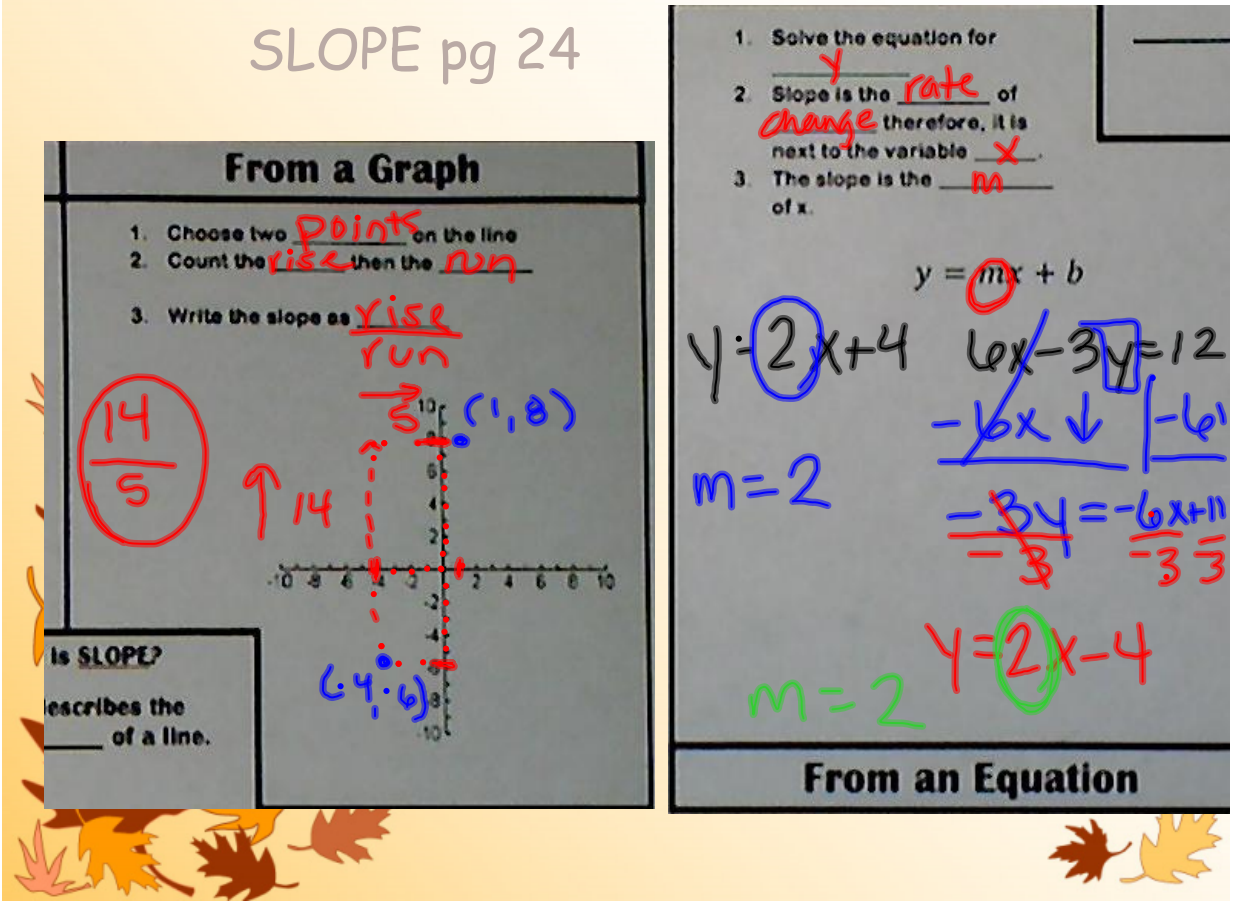
Fair grounds

Fair grounds



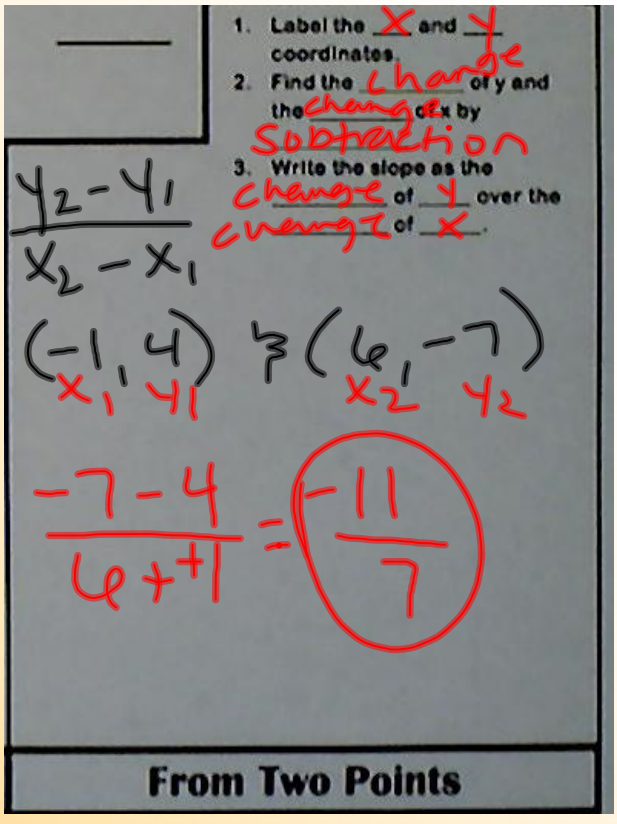
Sep 9-9:25 AM

SLOPE pg 24



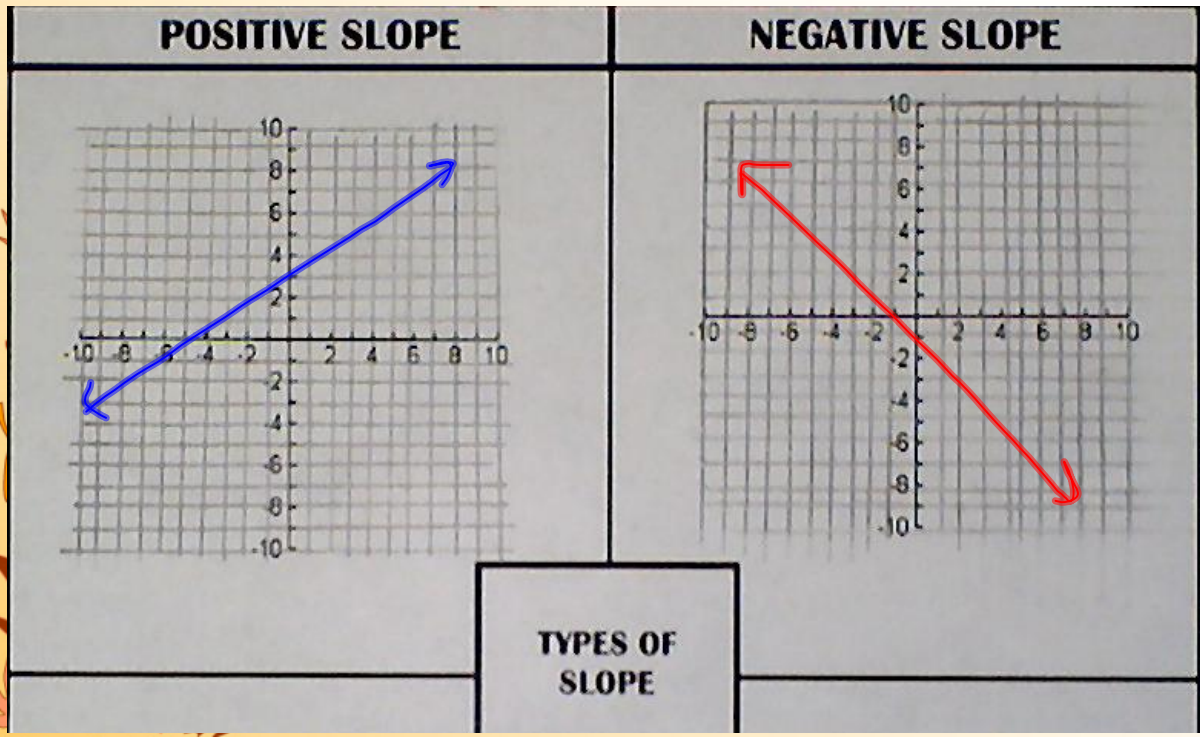
Sep 9-9:25 AM

SLOPE pg 24



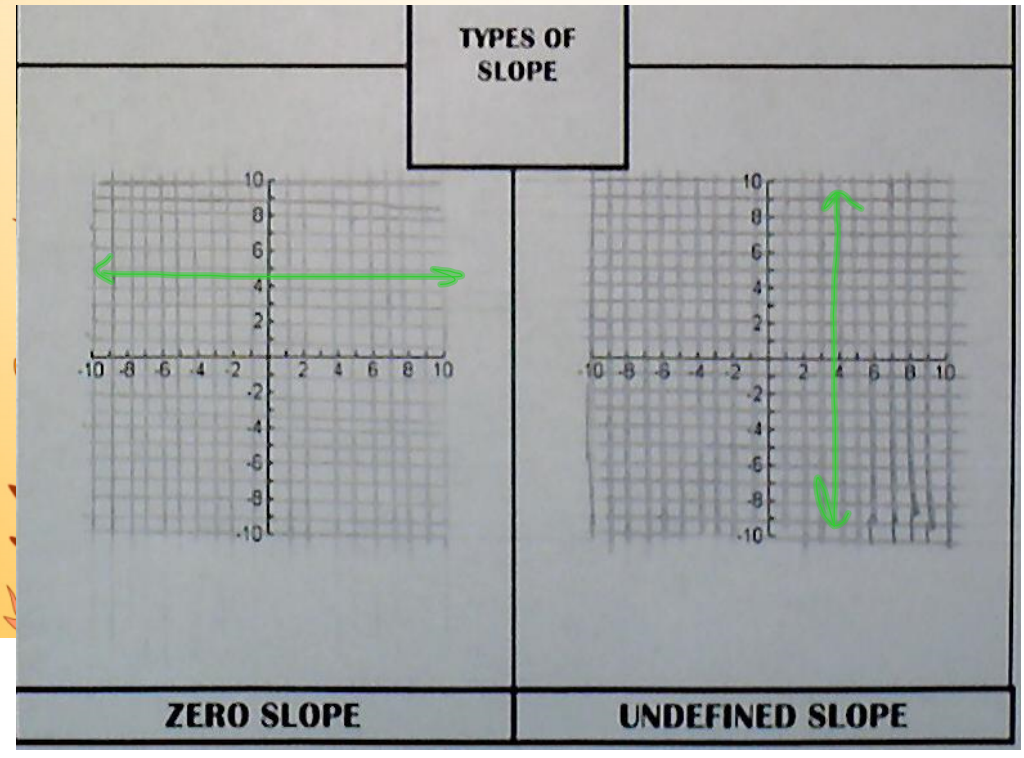
Sep 9-9:25 AM

SLOPE pg 24



Sep 9-9:25 AM

SLOPE pg 24



Sep 9-9:25 AM

Ex 1 (pg 23)

a) What is the slope between (2,4) and (6,6)?

$x_1, y_1 \quad x_2, y_2$

$$\frac{6-4}{6-2} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{(y2 - y1)}{(x2 - x1)}$$

b) Between (-4,-3) and (0,7)?

$x_1, y_1 \quad x_2, y_2$

$$\frac{7+3}{0+4} = \frac{10}{4} = \frac{5}{2}$$

Sep 4-8:13 AM

Ex 2 (pg 23)

Find the slope of the following lines...

a) y = 7x + 3 $m = 7$

b) y = -1/2x $m = -\frac{1}{2}$

$y = mx + b$ (slope)

c) y = -4 $\rightarrow y = 0x - 4$, $m = 0$

d) 8x - 2y = 16

$8x - 2y = 16$

$-8x \quad -8x$

$\frac{-2y}{-2} = \frac{16 - 8x}{-2}$

$y = -8 + 4x$

$m = 4$

e) y = 14 - 4/3x $m = -\frac{4}{3}$

Sep 4-8:13 AM

Homework

Find the slope of the line that passes through each pair of points.

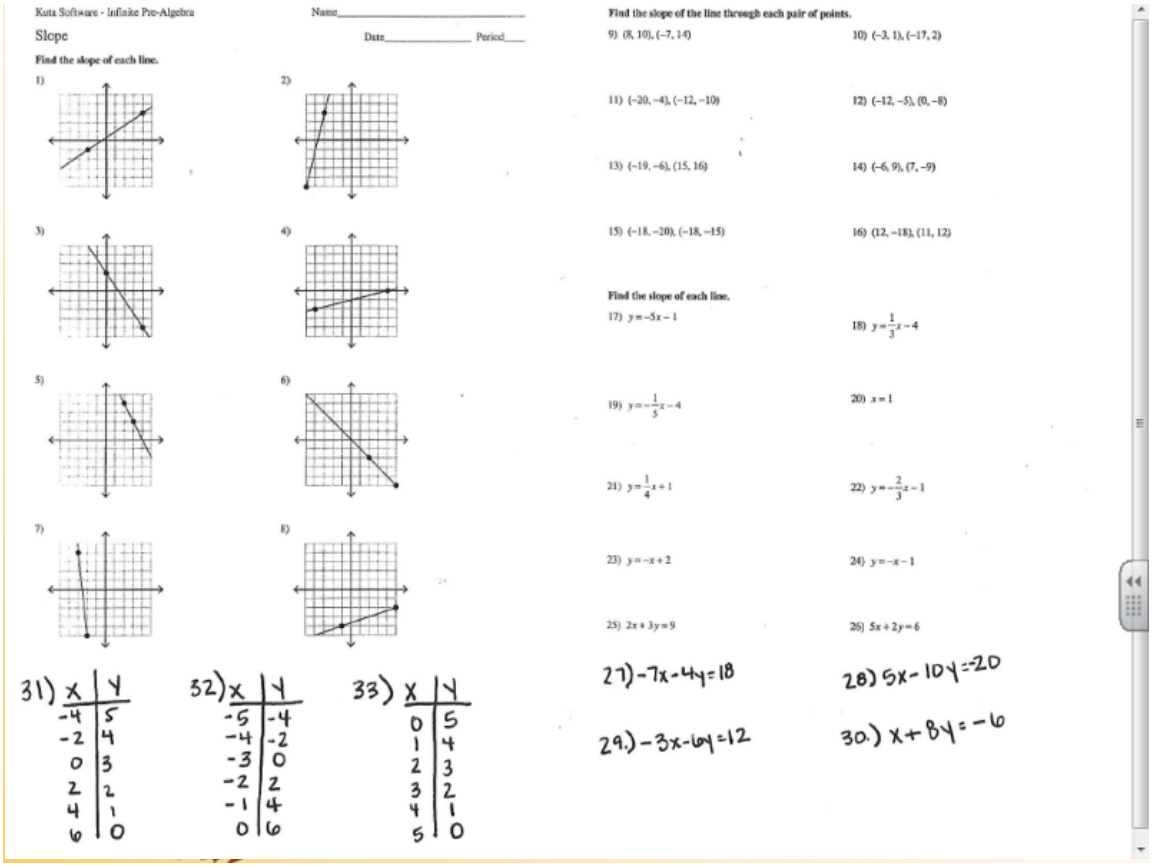
1. (6 , 3), (7, -4)
2. (-9, -3), (-7, -5)
3. (3, 9), (-2, 8)
4. (0.2, -0.9), (0.5, -0.9)
5. (2, 5), (-3, -5)
6. (-6, -4), (4, 1)

Identify the slope of each equation.

7. $y = -1/2\ x + 2$
8. $3y = 2x - 6$
9. $6x + 3y = 6$
10. $8x - 2y = 14$

get y by itself first!

Sep 4-8:13 AM



Kuta Software - Infinite Pre-Algebra

Name_____

Slope

Date_____ Period____

Find the slope of each line.

1) 2) 3) 4) 5) 6) 7) 8)

Find the slope of the line through each pair of points.

9) (8, 10), (−7, 14)

10) (−3, 1), (−17, 2)

11) (−20, −4), (−12, −10)

12) (−12, −5), (0, −8)

13) (−19, −6), (15, 16)

14) (−6, 9), (7, −9)

15) (−18, −20), (−18, −15)

16) (12, −18), (11, 12)

Find the slope of each line.

17) $y = -5x - 1$

18) $y = \frac{1}{3}x - 4$

19) $y = -\frac{1}{5}x - 4$

20) $x = 1$

21) $y = \frac{1}{4}x + 1$

22) $y = -\frac{2}{3}x - 1$

23) $y = -x + 2$

24) $y = -x - 1$

25) $2x + 3y = 9$

26) $5x + 2y = 6$

31)

x	y
-4	5
-2	4
0	3
2	2
4	1
6	0

32)

x	y
-5	-4
-4	-2
-3	0
-2	2
-1	4
0	6

33)

x	y
0	5
1	4
2	3
3	2
4	1
5	0

27) $-7x - 4y = 18$

28) $5x - 10y = -20$

29) $-3x - 6y = 12$

30) $x + 8y = -6$

Sep 13-9:27 AM