

Name: _____

Date: _____

Period: _____

1.0 Review - No Calculator!!

Fractions, Decimals, Percents

1. Fill in the missing equivalent values for each rational number:

Fraction	Decimal	Percent
$\frac{1}{4}$		
	0.12	
$1\frac{2}{3}$		
		32.5%

Integer Rules

Simplify the following expressions:

2. $3 + (-2)$

6. $-3 + (-2)$

3. $3 - (-2)$

7. $-3 - (-2)$

4. $3(-2)$

8. $-3(-2)$

5. $3 \div (-2)$

9. $-3 \div (-2)$

Expressions

Find the desired items

10. $-5w - 2v + 1$

11. $5x^3 + 4x^2 + 3x - 1000$

How many terms in the expression?
What is the second term in the expression?
What is the coefficient of the first term?

How many terms in the expression?
What is the third term in the expression?
What is the coefficient of the second term?

12. $6w + 8$

How many terms in the expression?
What is the first term in the expression?
What is the constant term?

13. $-91y^3 + 12xy - 8x$

How many terms in the expression?
What is the second term in the expression?
What is the coefficient of the first term?

Simplify each expression:

14. $6(x + 7)$

15. $26x + 17x - 13$

16. $(2x + 5) + (-3x + 1)$

17. $(-5x + 6) - (3x - 7)$

18. $(-2x + 7) - 4(-3x - 7)$

19. $14x + 6 + 3x - 2 - 4x$

20. $3(2x + 7) + (-2x - 5)$

21. $-2(8x + 7) + (20x + 9)$

Solving Two-Step Equations

Solve the following equations for x:

22. $3x + 2 = 17$

23. $-4x + 9 = -11$

24. $-24 = 11x - 2$

25. $3000 = 25x - 250$

26. $\frac{2}{5}x = 6$

27. $\frac{x}{10} - 3 = 7$

Slope

Find the **slope** of the line that would represent each relationship:

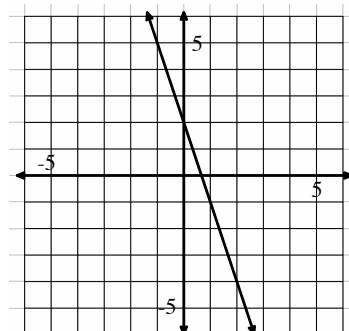
28. $y = \frac{7}{3}x + 1$

29. Line that passes through $(-2, 10)$ and $(3, 4)$

30.

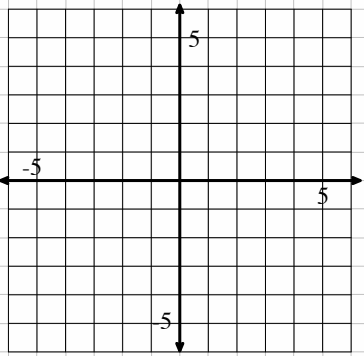
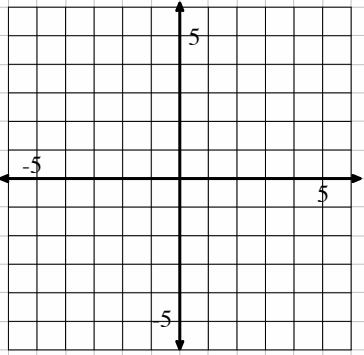
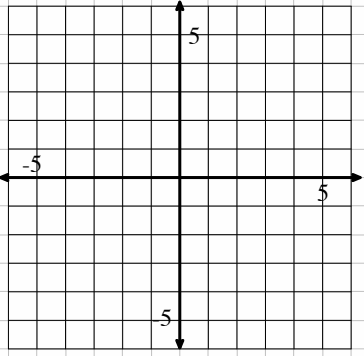
x	y
3	9
5	4
7	-1

31.



Tables & Graphs for Equations

For each equation, make coordinate pairs and a graph.

	Equation	Table	Graph								
32.	$y = 3x - 1$	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="padding: 5px;">x</th> <th style="padding: 5px;">y</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">0</td> <td style="width: 50px;"></td> </tr> <tr> <td style="text-align: center; padding: 5px;">1</td> <td></td> </tr> <tr> <td style="text-align: center; padding: 5px;">2</td> <td></td> </tr> </tbody> </table>	x	y	0		1		2		
x	y										
0											
1											
2											
33.	$y = -2x + 5$	$(0, \quad), (1, \quad), (2, \quad)$									
34.	$y = \frac{3}{4}x - 2$	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="padding: 5px;">x</th> <th style="padding: 5px;">y</th> </tr> </thead> <tbody> <tr> <td style="width: 50px;"></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	x	y							
x	y										
35.	$y = -\frac{2}{3}x + 4$	$(\quad, \quad), (\quad, \quad), (\quad, \quad)$	