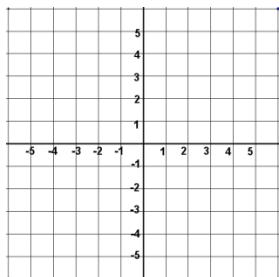


Name _____ Date _____ Period _____

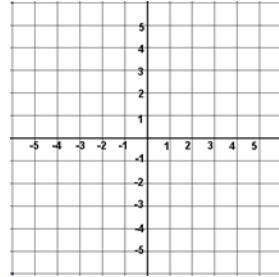
10.1 Intercepts

Sketch the graph of each line

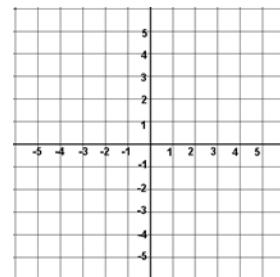
1. x-intercept=1
y-intercept=1



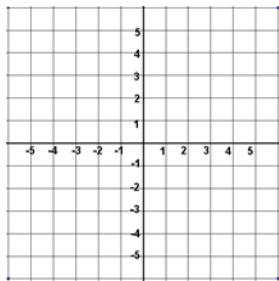
2. x-intercept=-4
y-intercept=5



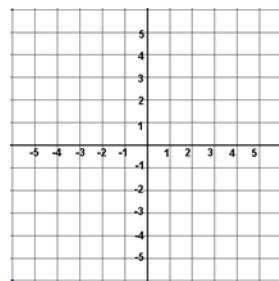
3. x-intercept=3
y-intercept=-2



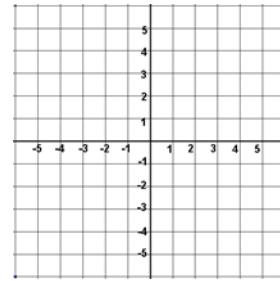
4. x-intercept=-5
y-intercept=2



5. x-intercept=-2
y-intercept=2



6. x-intercept=4
y-intercept=3



Find the x and y intercepts given the table, graph or equation. Write your answer as an ordered pair.

7. $4x - y = 20$

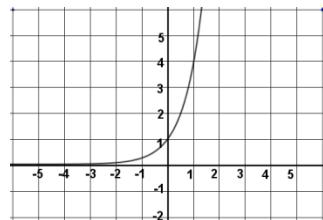
8. $2x + 3y = 18$

9. $y = 2x + 16$

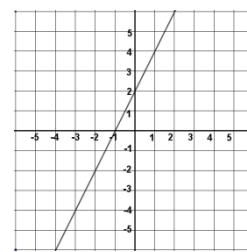
10.

x	y
0	2
3	1
6	0
9	-1

11.



12.



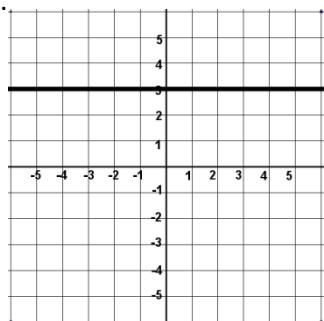
13. $y = x^2 - 25$

14.

15. $y = -3x^3 - 9$

x	y
-1	-10
0	-8
1	-6
2	-4

16.

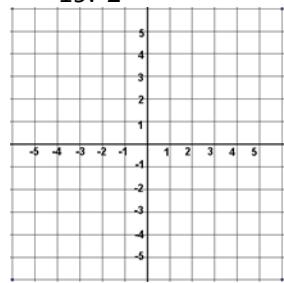
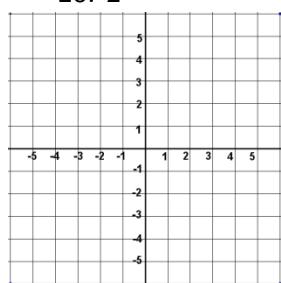
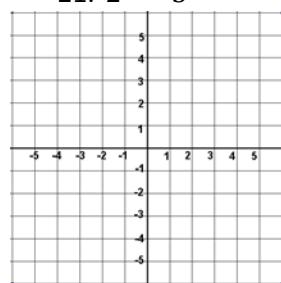
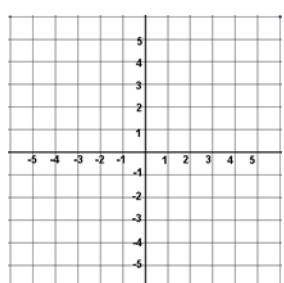
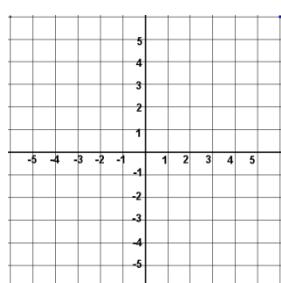


17.

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

18. $4x - 2y = 6$

Use a calculator to graph each exponential equation. Then estimate the x and y intercepts

19. 2^x 20. 2^{x+3} 21. $2^x - 3$ 22. 2^{-x} 23. -2^x 24. 4^x 