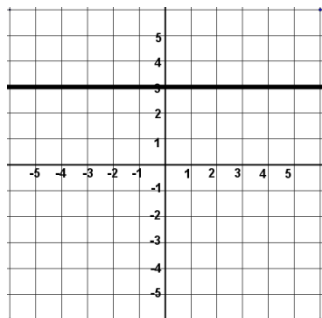


11.1 Intercepts Practice (F.IF.4 and F.IF.7)

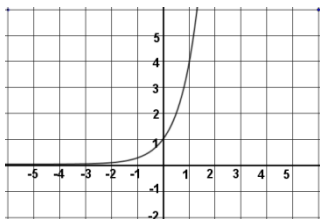
Find the x and y intercepts given the table or graph. Write your answer as an ordered pair.

1.



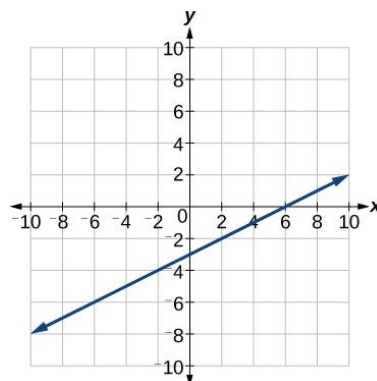
X-intercepts:
Y-intercepts:

2.



X-intercepts:
Y-intercepts:

3.



X-intercepts:
Y-intercepts:

4.

x	y
0	2
3	1
6	0
9	-1

X-intercepts:
Y-intercepts:

5.

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

X-intercepts:
Y-intercepts:

6.

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

X-intercepts:
Y-intercepts:

Find the x and y intercepts of **four** of the following equations. Write your answer as an ordered pair.

$$y = 2x + 5$$

$$y = -3x - 9$$

$$3x = y - 12$$

$$2x + 3y = 8$$

$$4x - y = 6$$

$$4x - 2y = 8$$

<p>7. Equation:</p> <p>X-intercepts: Y-intercepts:</p>	<p>8. Equation:</p> <p>X-intercepts: Y-intercepts:</p>
<p>9. Equation:</p>	<p>10. Equation:</p>

X-intercepts:

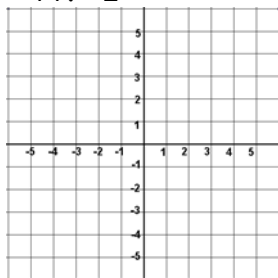
Y-intercepts:

X-intercepts:

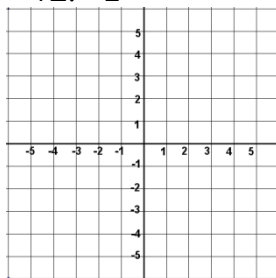
Y-intercepts:

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

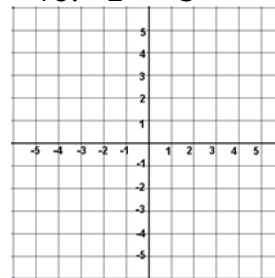
11. 2^x



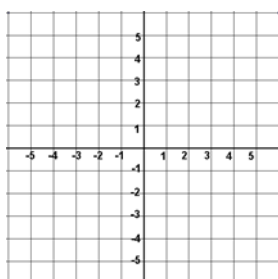
12. 2^{x+3}



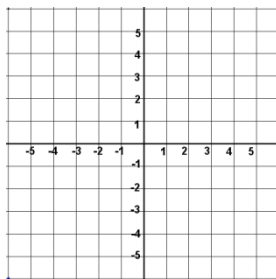
13. $2^x - 3$



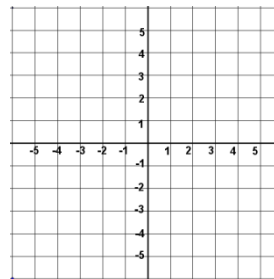
14. 2^{-x}



15. -2^x



16. 4^x



BONUS (as in optional):

17. You receive \$50 for your birthday and put it in a bank account. You add \$5 a week.

Y-intercept:

Write a linear function for the amount you have after x weeks.

Use your function to find when you will have \$500 in the bank.

18. Jason has a golf score of 120. He is taking lessons and reduces his score by 3 strokes each week.

Y-intercept:

Write a linear function for the amount you have after x weeks.

Use your function to find out when his score will be a 99.