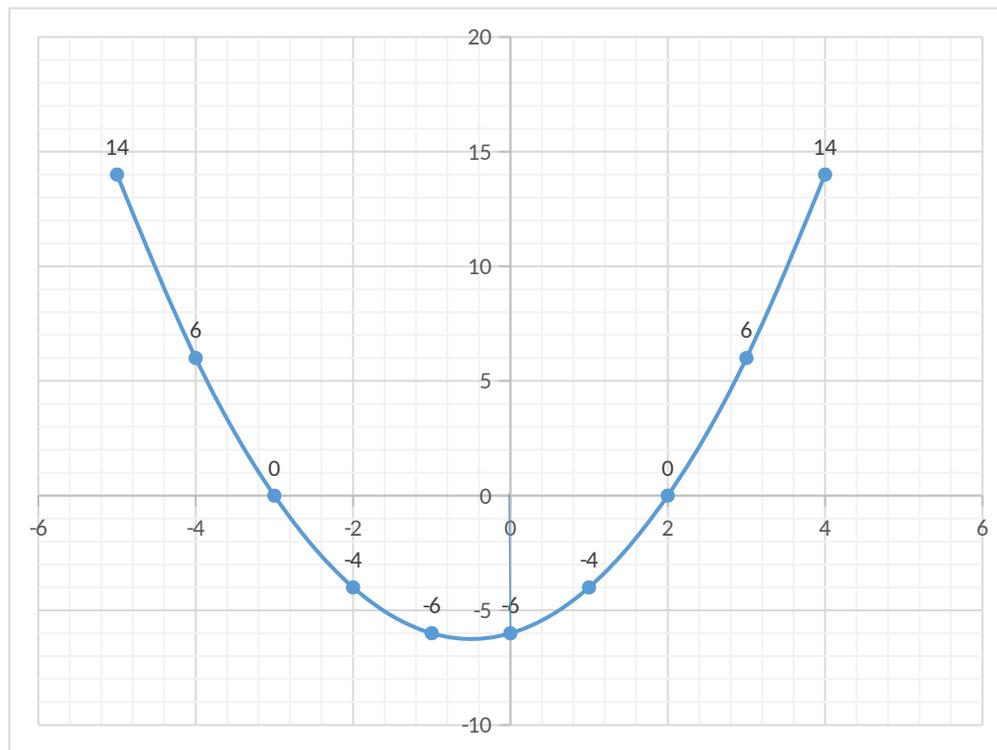


# Answer Sheet

## Drawing Quadratic Graphs

1.

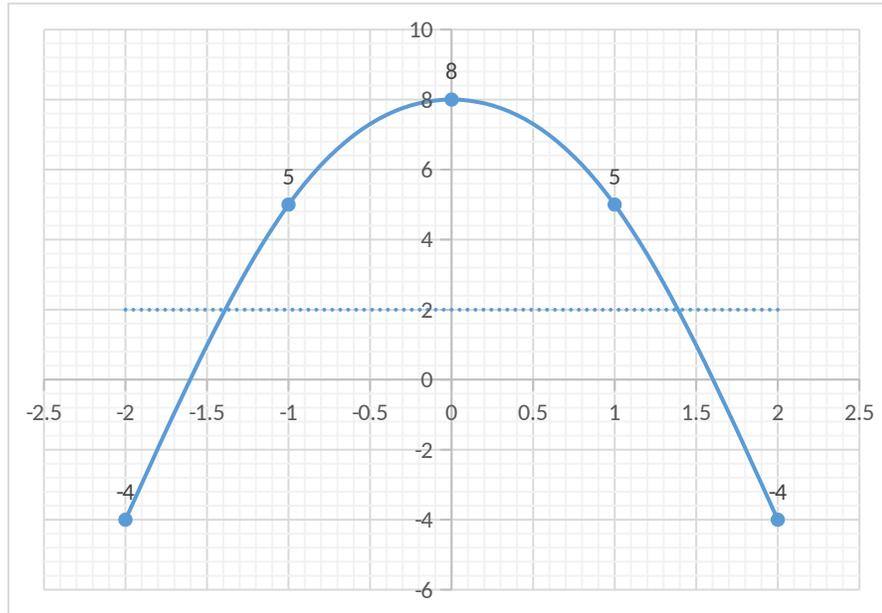


a)  $-0.5$ ,  $-6$

b)  $-3$  and  $2$

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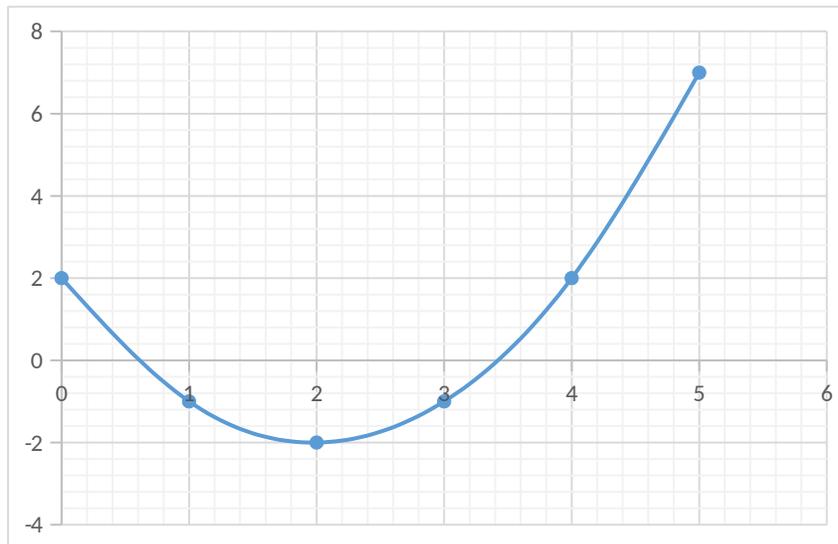
2.



a) 0, 8

b) -1.6 and 1.6

3.

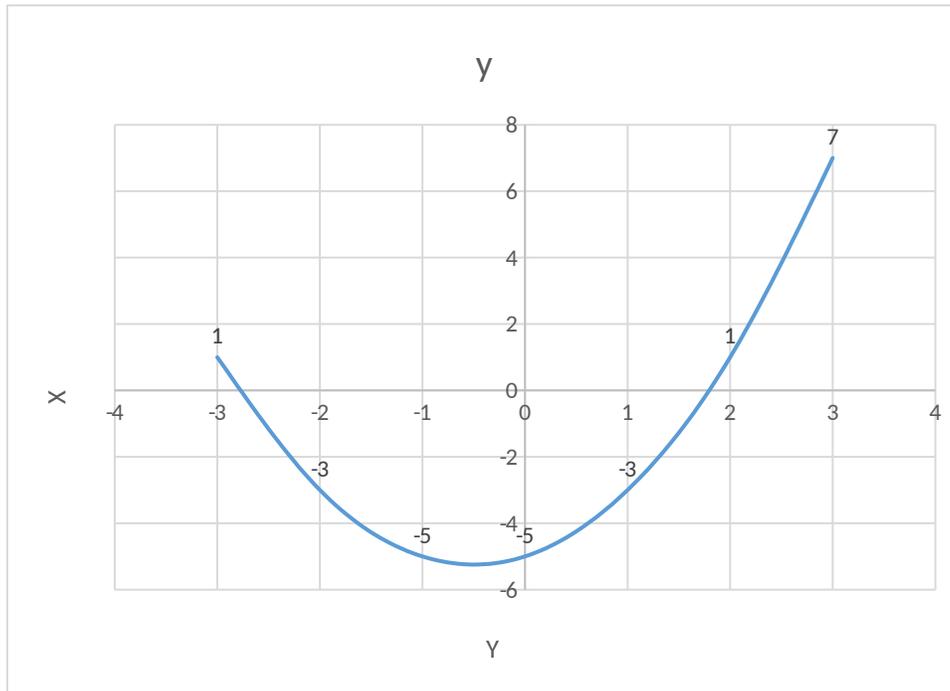


a) 2, -2

b) 0.6 and 3.4

4.  $y = x^2 + x - 5$

<b>x</b>	<b>-3</b>	<b>-2</b>	<b>-1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>y</b>	1	-3	-5	-5	-3	1	7

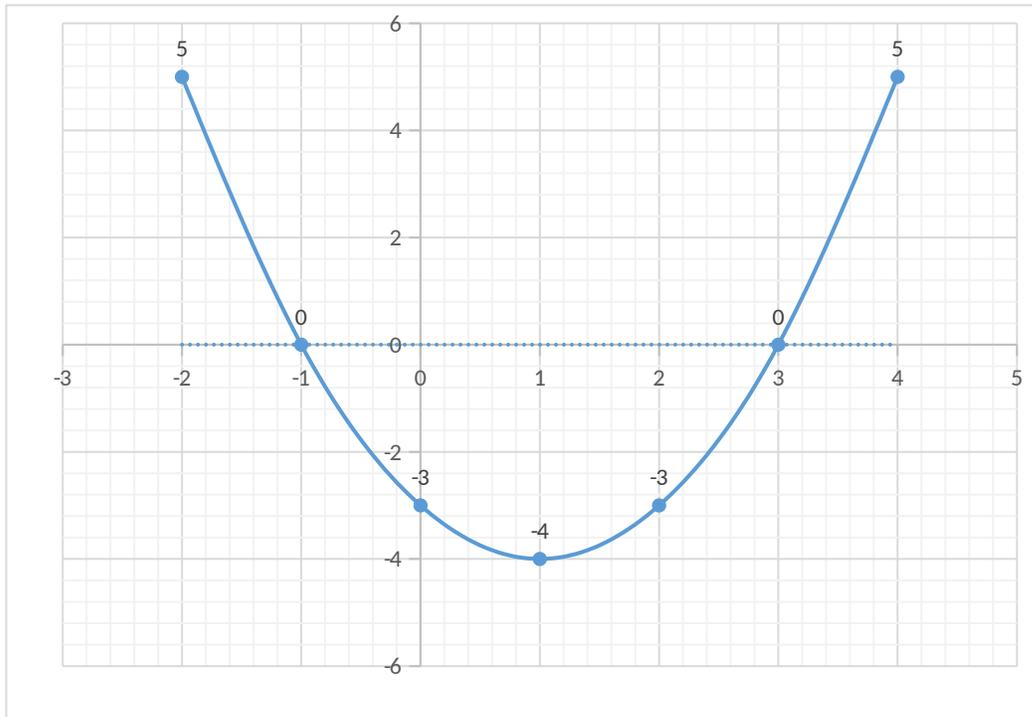


Solutions: -2.8 and 1.8

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5.  $y = x^2 - 2x - 3$

<b>X</b>	<b>-2</b>	<b>-1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Y</b>	5	0	-3	-4	-3	0	5

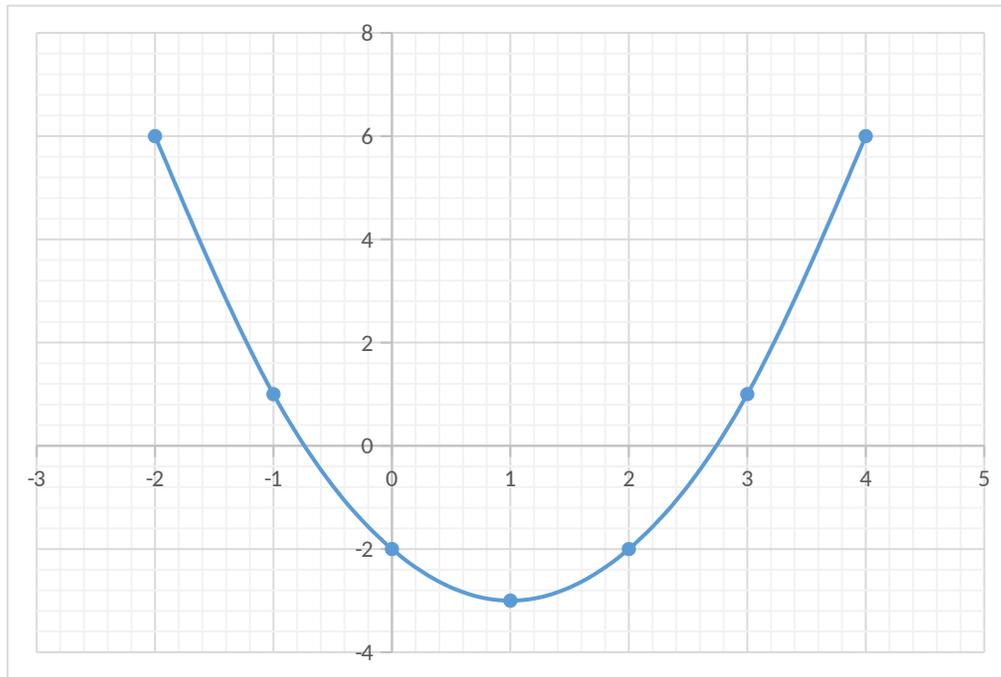


Turning point = 1 and -4

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6.  $y = x^2 - 2x - 2$

<b>x</b>	<b>-2</b>	<b>-1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>y</b>	<b>6</b>	<b>1</b>	<b>-2</b>	<b>-3</b>	<b>-2</b>	<b>1</b>	<b>6</b>



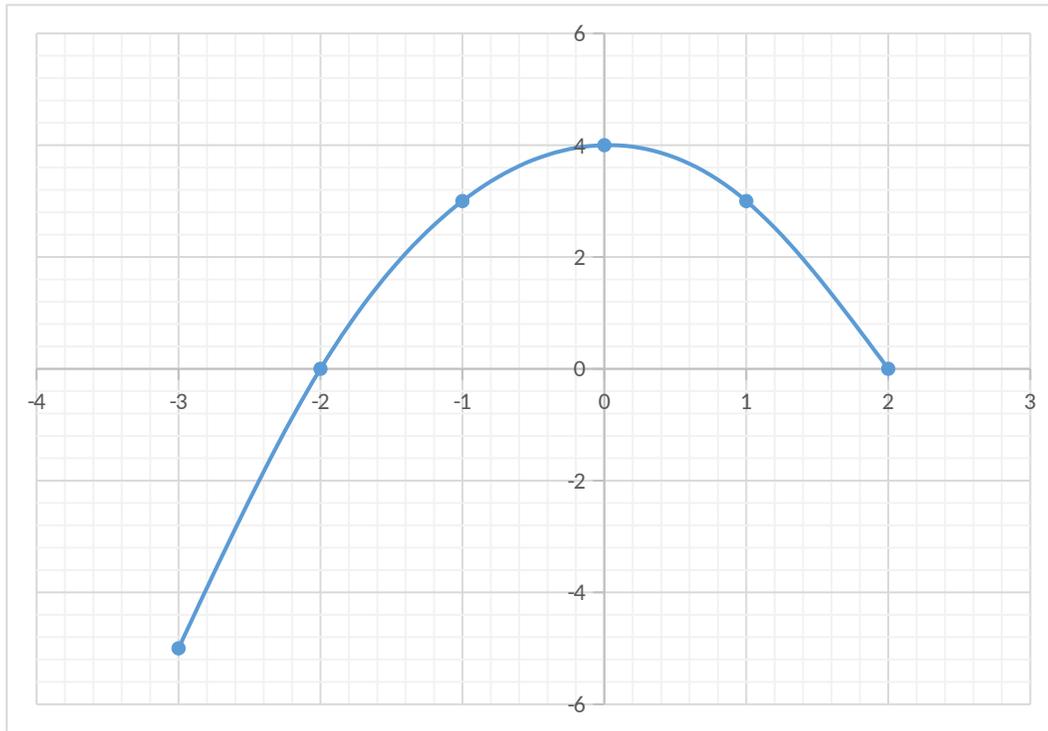
Solution: -0.8 , 2.7

Turning point = 1 , -3

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7.  $y = 4 - x^2$

<b>x</b>	<b>-3</b>	<b>-2</b>	<b>-1</b>	<b>0</b>	<b>1</b>	<b>2</b>
<b>y</b>	<b>-5</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>0</b>



Turning point 0 to 4

$$4 - x^2 = 0$$

$$x^2 = 4$$

$$x = \pm 2$$

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