

Creating Quadratic Equations

scan for answers



Chapter 7: Worksheet 1

Level 1 - Create an equation from a table of values when the y-intercept is given

Level 2 - Create an equation from a table of values when the y-intercept is not given

Level 3 - Create an equation from a table when the input values do not step up by 1

Level 1

Create an equation from a table when the y-intercept is given.

a)	<table border="1"><tr><td>x</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>y</td><td>1</td><td>2</td><td>11</td><td>28</td><td>53</td></tr></table>	x	0	1	2	3	4	y	1	2	11	28	53	b)
x	0	1	2	3	4									
y	1	2	11	28	53									

Level 2

Create an equation from a table when the y-intercept is not given.

a)	<table border="1"><tr><td>x</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>y</td><td>-5</td><td>7</td><td>27</td><td>55</td><td>91</td></tr></table>	x	1	2	3	4	5	y	-5	7	27	55	91	b)	c)
x	1	2	3	4	5										
y	-5	7	27	55	91										

Level 3

Create an equation when the input values do not increase by 1.

a)	<table border="1"><tr><td>x</td><td>-4</td><td>-2</td><td>0</td><td>2</td><td>4</td></tr><tr><td>y</td><td>39</td><td>5</td><td>-5</td><td>9</td><td>47</td></tr></table>	x	-4	-2	0	2	4	y	39	5	-5	9	47	b)	c)
x	-4	-2	0	2	4										
y	39	5	-5	9	47										