**Review Warm-up, Week 13 (#3.5)**

1. **Write everything you can think of that relates to the word QUADRATIC.**
2. **Write the equation of the piecewise function.**

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| **-1** | **4** |
| **0** | **4** |
| **1** | **3** |
| **2** | **2** |

$f\left(x\right)=\left\{\begin{array}{c} \\ \\ \\ \end{array}\right.$

1. **What is the opposite of:**
	1. **Walk into a room**
	2. **Turn on the lights**
	3. **Walk into a room and then turn on the lights**

**(continued) Review Warm-up, Week 13 (#3.5)**

1. Write the inverse of each.

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| **-3** | **2** |
| **-1** | **5** |
| **0** | **-1** |
| **3** | **2** |

 Positive *x*

 Pick up a pencil and write

 Multiply by 3 and then subtract 2

*Is the table a one-to-one function?*

2. Solve for *y* (isolate *y*).

a. $x=3y-2$ b. $x=\frac{y+4}{5}$ c. $x=3y^{2}$