Name: _____

Directions: Use your math skills to find the value of each icon and the '?' in the puzzle below.

mashupmath▶ presents **13 DAYS OF SPOOKY MATH CHALLENGES**

What is the value of the '?' in each sequence?

Case #1	Case #2	Case #3
13	5	1
17	11	4
22	23	13
28	47	40
?	?	?

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Case 1: ? = _____   Case 2: ? = _____   Case 3: ? = _____

Key:

(Hint: Each value comes from doing something to the previous value)

Case #1: ? = 35 (each value increases by one more than its difference with the previous value: +4, +5, +6, ...)

Case #2: ? = 95 (each value increases by twice its difference with the previous value: +6, +12, +24, ...)

Case #3: ? = 121 (each value increases by the square of the difference with the previous value: +3,+9,+27,...)