Name _____ Period _____ Date _____

DOVETAILS

DT 09.045

Ten steps. Each answer becomes the number you use in the next step. Every answer is a natural number (positive integer).

A. 59 + 40	A =
B. An arithmetic sequence (each term a fixed amount above the last) begins at 8 and increases by 4 each term. What is the **A**th term?	B =
C. A circle has an area of **B**π square units. What is its radius?	C =
D. A right triangle has legs of **C** and 15 units. How long is the hypotenuse (the side opposite the right angle)?	D =
E. **D** + 13 + 40 + 11 + 22	E =
F. f(x) = 3x − 5. Find f(**E**).	F =
G. The slope (rise over run) of the line through (0, 0) and (8, **F**)	G =
H. **G** × 3 + 40	H =
I. **H** × 2 + 24	I =
J. **I** + 12 − 14 + (5 × 5)	J =
THE CLUE Boiling point of water on the Kelvin scale, to the nearest whole degree. *Your answer to J should match the Clue. If the two dovetail, your work is sound.*	Answer =