# Attendance Quiz 0

1) Kurt Gödel was a mathematician and was a logician. He was important because he proved the incompleteness of axioms for arithmetic.

2) Gauss was <u>19 years</u> old when he came up with the formula.

3) $54 * 57 = (5 * 10 + 4 * 1) * (5 * 10 + 7 * 1)$
$= (5 * 5 * 100) + (4 * 7 * 1) = (2 * 10 + 5) * (2 * 1 + 4 + 7)$

1) a) $\cancel{182}\,182 \div 125 = 1$ $\qquad$ $57 \div 2 \cdot 25$ $\qquad$ $7 \div 5 = 1$
$\qquad\qquad\qquad\qquad\qquad\qquad 2 \div 2 \cdot 1 = 0$

b) $182 \rightarrow 1\ 2\ 12$

b)

2) $0\,|\,000001$ $\qquad$ $64 + 1 = \boxed{65}$
$\quad 64 \qquad\quad 4$