1. Which of the following are correct calculations for difference quotient of:

$g(e) = 5e + 6$

$g(e) = 5e + 6$

$g(e+h) = 5(e+h) + 6$

$= 5e + 5h + 6$

$\frac{g(e+h)-g(e)}{h} = \frac{(5e+5h+6)-(5(e+1)+6)}{h}$

$= \frac{5h}{h}$

$= \frac{h(5)}{h}$

$= 5$

$g(e) = 5e + 6$

$g(e+h) = 5(e+h) + 6$

$= 5e + 5h + 11$

$\frac{g(e+h)-g(e)}{h} = \frac{(5e+5h+11)-(5e+6)}{h}$

$= \frac{5h}{h}$

$= \frac{h(5)}{h}$

$= 5$

$g(e) = 5e + 6$

$g(e+h) = 5(e+h) + 6$

$= 5e + 5h + 6$

$\frac{g(e+h)-g(e)}{h} = \frac{(5e+5h+6)-(5e+6)}{h}$

$= \frac{5h}{h}$

$= \frac{h(5)}{h}$

$= 5$

$g(e) = 5e + 6$

$g(e+h) = 5(e+h) + 6$

$= 5e + 5h + 1$

$\frac{g(e+h)-g(e)}{h} = \frac{(5e+5h+16)-(5e+6)}{h}$

$= \frac{5h}{h}$

$= \frac{h(5)}{h}$

$= 5$

Solution