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

$c(g) = 5g + 3$

$c(g) = 5g + 3$

$c(g+h) = 5(g+h) + 3$

$= 5g + 5h + 3$

$\frac{c(g+h) - c(g)}{h} = \frac{(5g+5h+3) - (5(g+1)+3)}{h}$

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

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

$= 5$

$c(g) = 5g + 3$

$c(g+h) = 5(g+h) + 3$

$= 5g + 5h + 8$

$\frac{c(g+h) - c(g)}{h} = \frac{(5g+5h+8) - (5g+3)}{h}$

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

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

$= 5$

$c(g) = 5g + 3$

$c(g+h) = 5(g+h) + 3$

$= 5g + 5h + 3$

$\frac{c(g+h) - c(g)}{h} = \frac{(5g+5h+3) - (5g+3)}{h}$

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

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

$= 5$

$c(g) = 5g + 3$

$c(g+h) = 5(g+h) + 3$

$= 5g + 5h - 2$

$\frac{c(g+h) - c(g)}{h} = \frac{(5g+5h+13) - (5g+3)}{h}$

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

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

$= 5$

Solution