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

$c(g) = 4g + 5$

$c(g) = 4g + 5$

$c(g+h) = 4(g+h) + 5$

$= 4g + 4h + 5$

$\frac{c(g+h) - c(g)}{h} = \frac{(4g+4h+5) - (4(g+1)+5)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

$c(g) = 4g + 5$

$c(g+h) = 4(g+h) + 5$

$= 4g + 4h + 9$

$\frac{c(g+h) - c(g)}{h} = \frac{(4g+4h+9) - (4g+5)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

$c(g) = 4g + 5$

$c(g+h) = 4(g+h) + 5$

$= 4g + 4h + 5$

$\frac{c(g+h) - c(g)}{h} = \frac{(4g+4h+5) - (4g+5)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

$c(g) = 4g + 5$

$c(g+h) = 4(g+h) + 5$

$= 4g + 4h + 1$

$\frac{c(g+h) - c(g)}{h} = \frac{(4g+4h+13) - (4g+5)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

Solution