4. Which of the following are correct calculations for difference quotient of:
$g(j) = 4j + 6$

$g(j) = 4j + 6$
$g(j+h) = 4(h + j) + 6$
$= 4h + 4j + 6$
$\frac{g(j+h) - g(j)}{h} = \frac{(4h+4j+6) - (4(j+1)+6)}{h}$
$= \frac{4h}{h}$
$= \frac{h(4)}{h}$
$= 4$

$g(j) = 4j + 6$
$g(j+h) = 4(h + j) + 6$
$= 4h + 4j + 10$
$\frac{g(j+h) - g(j)}{h} = \frac{(4h+4j+10) - (4j+6)}{h}$
$= \frac{4h}{h}$
$= \frac{h(4)}{h}$
$= 4$

$g(j) = 4j + 6$
$g(j+h) = 4(h + j) + 6$
$= 4h + 4j + 6$
$\frac{g(j+h) - g(j)}{h} = \frac{(4h+4j+6) - (4j+6)}{h}$
$= \frac{4h}{h}$
$= \frac{h(4)}{h}$
$= 4$

$g(j) = 4j + 6$
$g(j+h) = 4(h + j) + 6$
$= 4h + 4j + 2$
$\frac{g(j+h) - g(j)}{h} = \frac{(4h+4j+14) - (4j+6)}{h}$
$= \frac{4h}{h}$
$= \frac{h(4)}{h}$
$= 4$

Solution