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

$w(y) = 5y + 6$

$w(y) = 5y + 6$

$w(y+h) = 5(h + y) + 6$

$= 5h + 5y + 6$

$\frac{w(y+h) - w(y)}{h} = \frac{(5h+5y+6) - (5(y+1)+6)}{h}$

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

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

$= 5$

$w(y) = 5y + 6$

$w(y+h) = 5(h + y) + 6$

$= 5h + 5y + 11$

$\frac{w(y+h) - w(y)}{h} = \frac{(5h+5y+11) - (5y+6)}{h}$

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

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

$= 5$

$w(y) = 5y + 6$

$w(y+h) = 5(h + y) + 6$

$= 5h + 5y + 6$

$\frac{w(y+h) - w(y)}{h} = \frac{(5h+5y+6) - (5y+6)}{h}$

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

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

$= 5$

$w(y) = 5y + 6$

$w(y+h) = 5(h + y) + 6$

$= 5h + 5y + 1$

$\frac{w(y+h) - w(y)}{h} = \frac{(5h+5y+16) - (5y+6)}{h}$

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

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

$= 5$

Solution