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

$w(z) = 5z + 2$

$w(z) = 5z + 2$

$w(z+h) = 5(h + z) + 2$

$= 5h + 5z + 2$

$\frac{w(z+h) - w(z)}{h} = \frac{(5h+5z+2) - (5(z+1)+2)}{h}$

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

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

$= 5$

$w(z) = 5z + 2$

$w(z+h) = 5(h + z) + 2$

$= 5h + 5z + 7$

$\frac{w(z+h) - w(z)}{h} = \frac{(5h+5z+7) - (5z+2)}{h}$

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

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

$= 5$

$w(z) = 5z + 2$

$w(z+h) = 5(h + z) + 2$

$= 5h + 5z + 2$

$\frac{w(z+h) - w(z)}{h} = \frac{(5h+5z+2) - (5z+2)}{h}$

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

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

$= 5$

$w(z) = 5z + 2$

$w(z+h) = 5(h + z) + 2$

$= 5h + 5z - 3$

$\frac{w(z+h) - w(z)}{h} = \frac{(5h+5z+12) - (5z+2)}{h}$

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

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

$= 5$

Solution