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

$q(z) = 5z + 5$

$q(z) = 5z + 5$

$q(z+h) = 5(h + z) + 5$

$= 5h + 5z + 5$

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

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

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

$= 5$

$q(z) = 5z + 5$

$q(z+h) = 5(h + z) + 5$

$= 5h + 5z + 10$

$\frac{q(z+h) - q(z)}{h} = \frac{(5h + 5z + 10) - (5z + 5)}{h}$

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

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

$= 5$

$q(z) = 5z + 5$

$q(z+h) = 5(h + z) + 5$

$= 5h + 5z + 5$

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

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

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

$= 5$

$q(z) = 5z + 5$

$q(z+h) = 5(h + z) + 5$

$= 5h + 5z$

$\frac{q(z+h) - q(z)}{h} = \frac{(5h + 5z + 15) - (5z + 5)}{h}$

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

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

$= 5$

Solution