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

$t(q) = q + 1$

$t(q) = q + 1$

$t(q+h) = h + q + 1$

$= h + q + 1$

$\frac{t(q+h) - t(q)}{h} = \frac{(h+q+1) - (q+2)}{h}$

$= \frac{h}{h}$

$= \frac{h(1)}{h}$

$= 1$

$t(q) = q + 1$

$t(q+h) = h + q + 1$

$= h + q + 2$

$\frac{t(q+h) - t(q)}{h} = \frac{(h+q+2) - (q+1)}{h}$

$= \frac{h}{h}$

$= \frac{h(1)}{h}$

$= 1$

$t(q) = q + 1$

$t(q+h) = h + q + 1$

$= h + q + 1$

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

$= \frac{h}{h}$

$= \frac{h(1)}{h}$

$= 1$

$t(q) = q + 1$

$t(q+h) = h + q + 1$

$= h + q$

$\frac{t(q+h) - t(q)}{h} = \frac{(h+q+3) - (q+1)}{h}$

$= \frac{h}{h}$

$= \frac{h(1)}{h}$

$= 1$

Solution