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

$a(k) = 3k + 3$

$a(k) = 3k + 3$

$a(k+h) = 3(h + k) + 3$

$= 3h + 3k + 3$

$\frac{a(k+h) - a(k)}{h} = \frac{(3h+3k+3) - (3(k+1)+3)}{h}$

$= \frac{3h}{h}$

$= \frac{h(3)}{h}$

$= 3$

$a(k) = 3k + 3$

$a(k+h) = 3(h + k) + 3$

$= 3h + 3k + 6$

$\frac{a(k+h) - a(k)}{h} = \frac{(3h+3k+6) - (3k+3)}{h}$

$= \frac{3h}{h}$

$= \frac{h(3)}{h}$

$= 3$

$a(k) = 3k + 3$

$a(k+h) = 3(h + k) + 3$

$= 3h + 3k + 3$

$\frac{a(k+h) - a(k)}{h} = \frac{(3h+3k+3) - (3k+3)}{h}$

$= \frac{3h}{h}$

$= \frac{h(3)}{h}$

$= 3$

$a(k) = 3k + 3$

$a(k+h) = 3(h + k) + 3$

$= 3h + 3k$

$\frac{a(k+h) - a(k)}{h} = \frac{(3h+3k+9) - (3k+3)}{h}$

$= \frac{3h}{h}$

$= \frac{h(3)}{h}$

$= 3$

Solution