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

$k(b) = b + 2$

$k(b) = b + 2$

$k(b+h) = b + h + 2$

$= b + h + 2$

$\frac{k(b+h) - k(b)}{h} = \frac{(b+h+2) - (b+3)}{h}$

$= \frac{h}{h}$

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

$= 1$

$k(b) = b + 2$

$k(b+h) = b + h + 2$

$= b + h + 3$

$\frac{k(b+h) - k(b)}{h} = \frac{(b+h+3) - (b+2)}{h}$

$= \frac{h}{h}$

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

$= 1$

$k(b) = b + 2$

$k(b+h) = b + h + 2$

$= b + h + 2$

$\frac{k(b+h) - k(b)}{h} = \frac{(b+h+2) - (b+2)}{h}$

$= \frac{h}{h}$

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

$= 1$

$k(b) = b + 2$

$k(b+h) = b + h + 2$

$= b + h + 1$

$\frac{k(b+h) - k(b)}{h} = \frac{(b+h+4) - (b+2)}{h}$

$= \frac{h}{h}$

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

$= 1$

Solution