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

$x(b) = 5b + 3$

$x(b) = 5b + 3$

$x(b+h) = 5(b+h) + 3$

$= 5b + 5h + 3$

$\frac{x(b+h) - x(b)}{h} = \frac{(5b+5h+3) - (5(b+1)+3)}{h}$

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

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

$= 5$

$x(b) = 5b + 3$

$x(b+h) = 5(b+h) + 3$

$= 5b + 5h + 8$

$\frac{x(b+h) - x(b)}{h} = \frac{(5b+5h+8) - (5b+3)}{h}$

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

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

$= 5$

$x(b) = 5b + 3$

$x(b+h) = 5(b+h) + 3$

$= 5b + 5h + 3$

$\frac{x(b+h) - x(b)}{h} = \frac{(5b+5h+3) - (5b+3)}{h}$

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

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

$= 5$

$x(b) = 5b + 3$

$x(b+h) = 5(b+h) + 3$

$= 5b + 5h - 2$

$\frac{x(b+h) - x(b)}{h} = \frac{(5b+5h+13) - (5b+3)}{h}$

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

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

$= 5$

Solution