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

$k(x) = 9x + 9$

$k(x) = 9x + 9$

$k(x+h) = 9(h + x) + 9$

$= 9h + 9x + 9$

$\frac{k(x+h) - k(x)}{h} = \frac{(9h + 9x + 9) - (9(x+1) + 9)}{h}$

$= \frac{9h}{h}$

$= \frac{h(9)}{h}$

$= 9$

$k(x) = 9x + 9$

$k(x+h) = 9(h + x) + 9$

$= 9h + 9x + 18$

$\frac{k(x+h) - k(x)}{h} = \frac{(9h + 9x + 18) - (9x + 9)}{h}$

$= \frac{9h}{h}$

$= \frac{h(9)}{h}$

$= 9$

$k(x) = 9x + 9$

$k(x+h) = 9(h + x) + 9$

$= 9h + 9x + 9$

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

$= \frac{9h}{h}$

$= \frac{h(9)}{h}$

$= 9$

$k(x) = 9x + 9$

$k(x+h) = 9(h + x) + 9$

$= 9h + 9x$

$\frac{k(x+h) - k(x)}{h} = \frac{(9h + 9x + 27) - (9x + 9)}{h}$

$= \frac{9h}{h}$

$= \frac{h(9)}{h}$

$= 9$

Solution