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

$f(x) = 4x + 4$

$f(x) = 4x + 4$

$f(x+h) = 4(h + x) + 4$

$= 4h + 4x + 4$

$\frac{f(x+h) - f(x)}{h} = \frac{(4h+4x+4) - (4(x+1)+4)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

$f(x) = 4x + 4$

$f(x+h) = 4(h + x) + 4$

$= 4h + 4x + 8$

$\frac{f(x+h) - f(x)}{h} = \frac{(4h+4x+8) - (4x+4)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

$f(x) = 4x + 4$

$f(x+h) = 4(h + x) + 4$

$= 4h + 4x + 4$

$\frac{f(x+h) - f(x)}{h} = \frac{(4h+4x+4) - (4x+4)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

$f(x) = 4x + 4$

$f(x+h) = 4(h + x) + 4$

$= 4h + 4x$

$\frac{f(x+h) - f(x)}{h} = \frac{(4h+4x+12) - (4x+4)}{h}$

$= \frac{4h}{h}$

$= \frac{h(4)}{h}$

$= 4$

Solution