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

$s(f) = f + 4$

$s(f) = f + 4$

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

$= f + h + 4$

$\frac{s(f+h) - s(f)}{h} = \frac{(f+h+4) - (f+5)}{h}$

$= \frac{h}{h}$

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

$= 1$

$s(f) = f + 4$

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

$= f + h + 5$

$\frac{s(f+h) - s(f)}{h} = \frac{(f+h+5) - (f+4)}{h}$

$= \frac{h}{h}$

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

$= 1$

$s(f) = f + 4$

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

$= f + h + 4$

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

$= \frac{h}{h}$

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

$= 1$

$s(f) = f + 4$

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

$= f + h + 3$

$\frac{s(f+h) - s(f)}{h} = \frac{(f+h+6) - (f+4)}{h}$

$= \frac{h}{h}$

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

$= 1$

Solution