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

$f(u) = 2u + 3$

$f(u) = 2u + 3$

$f(u+h) = 2(h+u) + 3$

$= 2h + 2u + 3$

$\frac{f(u+h) - f(u)}{h} = \frac{(2h+2u+3) - (2(u+1)+3)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

$f(u) = 2u + 3$

$f(u+h) = 2(h+u) + 3$

$= 2h + 2u + 5$

$\frac{f(u+h) - f(u)}{h} = \frac{(2h+2u+5) - (2u+3)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

$f(u) = 2u + 3$

$f(u+h) = 2(h+u) + 3$

$= 2h + 2u + 3$

$\frac{f(u+h) - f(u)}{h} = \frac{(2h+2u+3) - (2u+3)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

$f(u) = 2u + 3$

$f(u+h) = 2(h+u) + 3$

$= 2h + 2u + 1$

$\frac{f(u+h) - f(u)}{h} = \frac{(2h+2u+7) - (2u+3)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

Solution