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

$n(r) = 8r + 7$

$n(r) = 8r + 7$

$n(r+h) = 8(h + r) + 7$

$= 8h + 8r + 7$

$\frac{n(r+h) - n(r)}{h} = \frac{(8h + 8r + 7) - (8(r+1) + 7)}{h}$

$= \frac{8h}{h}$

$= \frac{h(8)}{h}$

$= 8$

$n(r) = 8r + 7$

$n(r+h) = 8(h + r) + 7$

$= 8h + 8r + 15$

$\frac{n(r+h) - n(r)}{h} = \frac{(8h + 8r + 15) - (8r + 7)}{h}$

$= \frac{8h}{h}$

$= \frac{h(8)}{h}$

$= 8$

$n(r) = 8r + 7$

$n(r+h) = 8(h + r) + 7$

$= 8h + 8r + 7$

$\frac{n(r+h) - n(r)}{h} = \frac{(8h + 8r + 7) - (8r + 7)}{h}$

$= \frac{8h}{h}$

$= \frac{h(8)}{h}$

$= 8$

$n(r) = 8r + 7$

$n(r+h) = 8(h + r) + 7$

$= 8h + 8r - 1$

$\frac{n(r+h) - n(r)}{h} = \frac{(8h + 8r + 23) - (8r + 7)}{h}$

$= \frac{8h}{h}$

$= \frac{h(8)}{h}$

$= 8$

Solution