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

$a(j) = 5j + 8$

$a(j) = 5j + 8$

$a(j+h) = 5(h + j) + 8$

$= 5h + 5j + 8$

$$\frac{a(j+h) - a(j)}{h} = \frac{(5h+5j+8) - (5(j+1)+8)}{h}$$

$$= \frac{5h}{h}$$

$$= \frac{h(5)}{h}$$

$= 5$

$a(j) = 5j + 8$

$a(j+h) = 5(h + j) + 8$

$= 5h + 5j + 13$

$$\frac{a(j+h) - a(j)}{h} = \frac{(5h+5j+13) - (5j+8)}{h}$$

$$= \frac{5h}{h}$$

$$= \frac{h(5)}{h}$$

$= 5$

$a(j) = 5j + 8$

$a(j+h) = 5(h + j) + 8$

$= 5h + 5j + 8$

$$\frac{a(j+h) - a(j)}{h} = \frac{(5h+5j+8) - (5j+8)}{h}$$

$$= \frac{5h}{h}$$

$$= \frac{h(5)}{h}$$

$= 5$

$a(j) = 5j + 8$

$a(j+h) = 5(h + j) + 8$

$= 5h + 5j + 3$

$$\frac{a(j+h) - a(j)}{h} = \frac{(5h+5j+18) - (5j+8)}{h}$$

$$= \frac{5h}{h}$$

$$= \frac{h(5)}{h}$$

$= 5$

Solution