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

$v(m) = 8m + 5$

$v(m) = 8m + 5$

$v(m+h) = 8(h + m) + 5$

$= 8h + 8m + 5$

$$\frac{v(m+h) - v(m)}{h} = \frac{(8h+8m+5) - (8(m+1)+5)}{h}$$

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

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

$= 8$

$v(m) = 8m + 5$

$v(m+h) = 8(h + m) + 5$

$= 8h + 8m + 13$

$$\frac{v(m+h) - v(m)}{h} = \frac{(8h+8m+13) - (8m+5)}{h}$$

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

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

$= 8$

$v(m) = 8m + 5$

$v(m+h) = 8(h + m) + 5$

$= 8h + 8m + 5$

$$\frac{v(m+h) - v(m)}{h} = \frac{(8h+8m+5) - (8m+5)}{h}$$

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

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

$= 8$

$v(m) = 8m + 5$

$v(m+h) = 8(h + m) + 5$

$= 8h + 8m - 3$

$$\frac{v(m+h) - v(m)}{h} = \frac{(8h+8m+21) - (8m+5)}{h}$$

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

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

$= 8$

## Solution