

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

$$m(e) = e + 1$$

$$m(e) = e + 1$$

$$m(e+h) = e + h + 1$$

$$= e + h + 1$$

$$\frac{m(e+h) - m(e)}{h} = \frac{(e+h+1) - (e+1)}{h}$$

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

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

$$= 1$$

$$m(e) = e + 1$$

$$m(e+h) = e + h + 1$$

$$= e + h + 2$$

$$\frac{m(e+h) - m(e)}{h} = \frac{(e+h+2) - (e+1)}{h}$$

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

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

$$= 1$$

$$m(e) = e + 1$$

$$m(e+h) = e + h + 1$$

$$= e + h + 1$$

$$\frac{m(e+h) - m(e)}{h} = \frac{(e+h+1) - (e+1)}{h}$$

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

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

$$= 1$$

$$m(e) = e + 1$$

$$m(e+h) = e + h + 1$$

$$= e + h$$

$$\frac{m(e+h) - m(e)}{h} = \frac{(e+h+3) - (e+1)}{h}$$

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

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

$$= 1$$

Solution