

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

$$m(p) = 5p + 2$$

$$m(p) = 5p + 2$$

$$m(p+h) = 5(h+p) + 2$$

$$= 5h + 5p + 2$$

$$\frac{m(p+h) - m(p)}{h} = \frac{(5h + 5p + 2) - (5(p+1) + 2)}{h}$$

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

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

$$= 5$$

$$m(p) = 5p + 2$$

$$m(p+h) = 5(h+p) + 2$$

$$= 5h + 5p + 7$$

$$\frac{m(p+h) - m(p)}{h} = \frac{(5h + 5p + 7) - (5p + 2)}{h}$$

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

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

$$= 5$$

$$m(p) = 5p + 2$$

$$m(p+h) = 5(h+p) + 2$$

$$= 5h + 5p + 2$$

$$\frac{m(p+h) - m(p)}{h} = \frac{(5h + 5p + 2) - (5p + 2)}{h}$$

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

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

$$= 5$$

$$m(p) = 5p + 2$$

$$m(p+h) = 5(h+p) + 2$$

$$= 5h + 5p - 3$$

$$\frac{m(p+h) - m(p)}{h} = \frac{(5h + 5p + 12) - (5p + 2)}{h}$$

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

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

$$= 5$$

Solution