

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

$$t(p) = p + 9$$

$$t(p) = p + 9$$

$$t(p+h) = h + p + 9$$

$$= h + p + 9$$

$$\frac{t(p+h) - t(p)}{h} = \frac{(h+p+9) - (p+9)}{h}$$

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

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

$$= 1$$

$$t(p) = p + 9$$

$$t(p+h) = h + p + 9$$

$$= h + p + 10$$

$$\frac{t(p+h) - t(p)}{h} = \frac{(h+p+10) - (p+9)}{h}$$

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

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

$$= 1$$

$$t(p) = p + 9$$

$$t(p+h) = h + p + 9$$

$$= h + p + 9$$

$$\frac{t(p+h) - t(p)}{h} = \frac{(h+p+9) - (p+9)}{h}$$

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

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

$$= 1$$

$$t(p) = p + 9$$

$$t(p+h) = h + p + 9$$

$$= h + p + 8$$

$$\frac{t(p+h) - t(p)}{h} = \frac{(h+p+11) - (p+9)}{h}$$

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

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

$$= 1$$

Solution