

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

$$v(b) = b + 4$$

$$v(b) = b + 4$$

$$v(b+h) = b + h + 4$$

$$= b + h + 4$$

$$\frac{v(b+h) - v(b)}{h} = \frac{(b+h+4) - (b+4)}{h}$$

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

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

$$= 1$$

$$v(b) = b + 4$$

$$v(b+h) = b + h + 4$$

$$= b + h + 5$$

$$\frac{v(b+h) - v(b)}{h} = \frac{(b+h+5) - (b+4)}{h}$$

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

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

$$= 1$$

$$v(b) = b + 4$$

$$v(b+h) = b + h + 4$$

$$= b + h + 4$$

$$\frac{v(b+h) - v(b)}{h} = \frac{(b+h+4) - (b+4)}{h}$$

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

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

$$= 1$$

$$v(b) = b + 4$$

$$v(b+h) = b + h + 4$$

$$= b + h + 3$$

$$\frac{v(b+h) - v(b)}{h} = \frac{(b+h+3) - (b+4)}{h}$$

$$= \frac{-1}{h}$$

$$= \frac{-1}{h}$$

$$= -\frac{1}{h}$$

**Solution**