

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

$$f(y) = y + 5$$

$$f(y) = y + 5$$

$$f(y+h) = h + y + 5$$

$$= h + y + 5$$

$$\frac{f(y+h) - f(y)}{h} = \frac{(h+y+5) - (y+5)}{h}$$

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

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

$$= 1$$

$$f(y) = y + 5$$

$$f(y+h) = h + y + 5$$

$$= h + y + 6$$

$$\frac{f(y+h) - f(y)}{h} = \frac{(h+y+6) - (y+5)}{h}$$

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

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

$$= 1$$

$$f(y) = y + 5$$

$$f(y+h) = h + y + 5$$

$$= h + y + 5$$

$$\frac{f(y+h) - f(y)}{h} = \frac{(h+y+5) - (y+5)}{h}$$

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

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

$$= 1$$

$$f(y) = y + 5$$

$$f(y+h) = h + y + 5$$

$$= h + y + 4$$

$$\frac{f(y+h) - f(y)}{h} = \frac{(h+y+7) - (y+5)}{h}$$

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

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

$$= 1$$

Solution