

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

$$z(d) = d + 6$$

$$z(d) = d + 6$$

$$z(d+h) = d + h + 6$$

$$= d + h + 6$$

$$\frac{z(d+h) - z(d)}{h} = \frac{(d+h+6) - (d+6)}{h}$$

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

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

$$= 1$$

$$z(d) = d + 6$$

$$z(d+h) = d + h + 6$$

$$= d + h + 7$$

$$\frac{z(d+h) - z(d)}{h} = \frac{(d+h+7) - (d+6)}{h}$$

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

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

$$= 1$$

$$z(d) = d + 6$$

$$z(d+h) = d + h + 6$$

$$= d + h + 6$$

$$\frac{z(d+h) - z(d)}{h} = \frac{(d+h+6) - (d+6)}{h}$$

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

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

$$= 1$$

$$z(d) = d + 6$$

$$z(d+h) = d + h + 6$$

$$= d + h + 5$$

$$\frac{z(d+h) - z(d)}{h} = \frac{(d+h+5) - (d+6)}{h}$$

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

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

$$= 1$$

Solution