

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

$$z(p) = 8p + 8$$

$$z(p) = 8p + 8$$

$$z(p+h) = 8(h+p) + 8$$

$$= 8h + 8p + 8$$

$$\frac{z(p+h) - z(p)}{h} = \frac{(8h + 8p + 8) - (8(p+1) + 8)}{h}$$

$$= \frac{8h}{h}$$

$$= \frac{h(8)}{h}$$

$$= 8$$

$$z(p) = 8p + 8$$

$$z(p+h) = 8(h+p) + 8$$

$$= 8h + 8p + 16$$

$$\frac{z(p+h) - z(p)}{h} = \frac{(8h + 8p + 16) - (8p + 8)}{h}$$

$$= \frac{8h}{h}$$

$$= \frac{h(8)}{h}$$

$$= 8$$

$$z(p) = 8p + 8$$

$$z(p+h) = 8(h+p) + 8$$

$$= 8h + 8p + 8$$

$$\frac{z(p+h) - z(p)}{h} = \frac{(8h + 8p + 8) - (8p + 8)}{h}$$

$$= \frac{8h}{h}$$

$$= \frac{h(8)}{h}$$

$$= 8$$

$$z(p) = 8p + 8$$

$$z(p+h) = 8(h+p) + 8$$

$$= 8h + 8p$$

$$\frac{z(p+h) - z(p)}{h} = \frac{(8h + 8p + 24) - (8p + 8)}{h}$$

$$= \frac{8h}{h}$$

$$= \frac{h(8)}{h}$$

$$= 8$$

**Solution**