

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

$$t(g) = 7g + 5$$

$$t(g) = 7g + 5$$

$$t(g+h) = 7(g+h) + 5$$

$$= 7g + 7h + 5$$

$$\frac{t(g+h) - t(g)}{h} = \frac{(7g+7h+5) - (7(g+1)+5)}{h}$$

$$= \frac{7h}{h}$$

$$= \frac{h(7)}{h}$$

$$= 7$$

$$t(g) = 7g + 5$$

$$t(g+h) = 7(g+h) + 5$$

$$= 7g + 7h + 12$$

$$\frac{t(g+h) - t(g)}{h} = \frac{(7g+7h+12) - (7g+5)}{h}$$

$$= \frac{7h}{h}$$

$$= \frac{h(7)}{h}$$

$$= 7$$

$$t(g) = 7g + 5$$

$$t(g+h) = 7(g+h) + 5$$

$$= 7g + 7h + 5$$

$$\frac{t(g+h) - t(g)}{h} = \frac{(7g+7h+5) - (7g+5)}{h}$$

$$= \frac{7h}{h}$$

$$= \frac{h(7)}{h}$$

$$= 7$$

$$t(g) = 7g + 5$$

$$t(g+h) = 7(g+h) + 5$$

$$= 7g + 7h - 2$$

$$\frac{t(g+h) - t(g)}{h} = \frac{(7g+7h+19) - (7g+5)}{h}$$

$$= \frac{7h}{h}$$

$$= \frac{h(7)}{h}$$

$$= 7$$

Solution