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

$r(a) = 2a + 4$

$r(a) = 2a + 4$

$r(a+h) = 2(a+h) + 4$

$= 2a + 2h + 4$

$\frac{r(a+h) - r(a)}{h} = \frac{(2a+2h+4) - (2(a+1)+4)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

$r(a) = 2a + 4$

$r(a+h) = 2(a+h) + 4$

$= 2a + 2h + 6$

$\frac{r(a+h) - r(a)}{h} = \frac{(2a+2h+6) - (2a+4)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

$r(a) = 2a + 4$

$r(a+h) = 2(a+h) + 4$

$= 2a + 2h + 4$

$\frac{r(a+h) - r(a)}{h} = \frac{(2a+2h+4) - (2a+4)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

$r(a) = 2a + 4$

$r(a+h) = 2(a+h) + 4$

$= 2a + 2h + 2$

$\frac{r(a+h) - r(a)}{h} = \frac{(2a+2h+8) - (2a+4)}{h}$

$= \frac{2h}{h}$

$= \frac{h(2)}{h}$

$= 2$

Solution