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

$m(a) = 5a^2 + 6a + 7$

$m(a) = 5a^2 + 6a + 7$

$m(a+h) = 5(a+h)^2 + 6(a+h) + 7$

$= 5a^2 + 10ah + 6a + 5h^2 + 6h + 7$

$$\frac{m(a+h)-m(a)}{h} = \frac{\left(5a^2+10ha+6a+5h^2+6h+7\right)-\left(5(a+1)^2+6(a+1)+7\right)}{h}$$

$$= \frac{5h^2+10ah+6h}{h}$$

$$= \frac{h(10a+5h+6)}{h}$$

$= 10a + 5h + 6$

$m(a) = 5a^2 + 6a + 7$

$m(a+h) = 5(a+h)^2 + 6(a+h) + 7$

$= 5a^2 + 10ah + 16a + 5h^2 + 16h + 18$

$$\frac{m(a+h)-m(a)}{h} = \frac{\left(5a^2+10ha+16a+5h^2+16h+18\right)-\left(5a^2+6a+7\right)}{h}$$

$$= \frac{5h^2+10ah+6h}{h}$$

$$= \frac{h(10a+5h+6)}{h}$$

$= 10a + 5h + 6$

$m(a) = 5a^2 + 6a + 7$

$m(a+h) = 5(a+h)^2 + 6(a+h) + 7$

$= 5a^2 + 10ah + 6a + 5h^2 + 6h + 7$

$$\frac{m(a+h)-m(a)}{h} = \frac{\left(5a^2+10ha+6a+5h^2+6h+7\right)-\left(5a^2+6a+7\right)}{h}$$

$$= \frac{5h^2+10ah+6h}{h}$$

$$= \frac{h(10a+5h+6)}{h}$$

$= 10a + 5h + 6$

$m(a) = 5a^2 + 6a + 7$

$m(a+h) = 5(a+h)^2 + 6(a+h) + 7$

$= 5a^2 + 10ah - 4a + 5h^2 - 4h + 6$

$$\frac{m(a+h)-m(a)}{h} = \frac{\left(5a^2+10ha+26a+5h^2+26h+39\right)-\left(5a^2+6a+7\right)}{h}$$

$$= \frac{5h^2+10ah+6h}{h}$$

$$= \frac{h(10(a+1)+5h+6)}{h}$$

$= 10a + 5h + 6$

Solution