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

$$p(t) = 4t + 4$$

$p(t) = 4t + 4$

$p(t+h) = 4(h+t) + 4$

$= 4h + 4t + 4$

$\dfrac{p(t+h) - p(t)}{h} = \dfrac{(4h + 4t + 4) - (4(t+1) + 4)}{h}$

$= \dfrac{4h}{h}$

$= \dfrac{h(4)}{h}$

$= 4$

$p(t) = 4t + 4$

$p(t+h) = 4(h+t) + 4$

$= 4h + 4t + 8$

$\dfrac{p(t+h) - p(t)}{h} = \dfrac{(4h + 4t + 8) - (4t + 4)}{h}$

$= \dfrac{4h}{h}$

$= \dfrac{h(4)}{h}$

$= 4$

$p(t) = 4t + 4$

$p(t+h) = 4(h+t) + 4$

$= 4h + 4t + 4$

$\dfrac{p(t+h) - p(t)}{h} = \dfrac{(4h + 4t + 4) - (4t + 4)}{h}$

$= \dfrac{4h}{h}$

$= \dfrac{h(4)}{h}$

$= 4$

$p(t) = 4t + 4$

$p(t+h) = 4(h+t) + 4$

$= 4h + 4t$

$\dfrac{p(t+h) - p(t)}{h} = \dfrac{(4h + 4t + 12) - (4t + 4)}{h}$

$= \dfrac{4h}{h}$

$= \dfrac{h(4)}{h}$

$= 4$

Solution