3. Which of the following are correct calculations for difference quotient of:
$p(n) = 8n + 5$

$p(n) = 8n + 5$
$p(n+h) = 8(h + n) + 5$
$= 8h + 8n + 5$
$\frac{p(n+h) - p(n)}{h} = \frac{(8h+8n+5) - (8(n+1)+5)}{h}$
$= \frac{8h}{h}$
$= \frac{h(8)}{h}$
$= 8$

$p(n) = 8n + 5$
$p(n+h) = 8(h + n) + 5$
$= 8h + 8n + 13$
$\frac{p(n+h) - p(n)}{h} = \frac{(8h+8n+13) - (8n+5)}{h}$
$= \frac{8h}{h}$
$= \frac{h(8)}{h}$
$= 8$

$p(n) = 8n + 5$
$p(n+h) = 8(h + n) + 5$
$= 8h + 8n + 5$
$\frac{p(n+h) - p(n)}{h} = \frac{(8h+8n+5) - (8n+5)}{h}$
$= \frac{8h}{h}$
$= \frac{h(8)}{h}$
$= 8$

$p(n) = 8n + 5$
$p(n+h) = 8(h + n) + 5$
$= 8h + 8n - 3$
$\frac{p(n+h) - p(n)}{h} = \frac{(8h+8n+21) - (8n+5)}{h}$
$= \frac{8h}{h}$
$= \frac{h(8)}{h}$
$= 8$

Solution