2. Which of the following are correct calculations for difference quotient of:
$t(d) = 2d + 5$

$t(d) = 2d + 5$
$t(d+h) = 2(d+h) + 5$
$= 2d + 2h + 5$
$\frac{t(d+h) - t(d)}{h} = \frac{(2d+2h+5) - (2(d+1)+5)}{h}$
$= \frac{2h}{h}$
$= \frac{h(2)}{h}$
$= 2$

$t(d) = 2d + 5$
$t(d+h) = 2(d+h) + 5$
$= 2d + 2h + 7$
$\frac{t(d+h) - t(d)}{h} = \frac{(2d+2h+7) - (2d+5)}{h}$
$= \frac{2h}{h}$
$= \frac{h(2)}{h}$
$= 2$

$t(d) = 2d + 5$
$t(d+h) = 2(d+h) + 5$
$= 2d + 2h + 5$
$\frac{t(d+h) - t(d)}{h} = \frac{(2d+2h+5) - (2d+5)}{h}$
$= \frac{2h}{h}$
$= \frac{h(2)}{h}$
$= 2$

$t(d) = 2d + 5$
$t(d+h) = 2(d+h) + 5$
$= 2d + 2h + 3$
$\frac{t(d+h) - t(d)}{h} = \frac{(2d+2h+9) - (2d+5)}{h}$
$= \frac{2h}{h}$
$= \frac{h(2)}{h}$
$= 2$

Solution