1.)

D=distance; t=time in seconds

D(10)=250m

D(15)=787.5m

2.)

B = blood sugar level

I = units of insulin

If (B==140) I=2;

If(B==180)I=4;

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| B | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
| I | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 |

I(290)=9

3.)

P=pay in dollars

T=time in hours

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| T | 2 | 5 | 10 | 100 | 132 | 141 |
| P | 62.5 | 96.25 | 152.5 | 1165 | 1525 | 1626.25 |