MATHS Second Degrés

P2(x) = x²-6x+5

X1 = 1

X2 = 5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X | -infini | 1 | 5 | +infini |
| P(x) | + | 0 - | 0 | + |

P3(x) = 5x²+6x+1 = 5 (x+0.2)(x+1)

X1 = -0.2

X2 = -1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X | -inf | -1 | -5 | +inf |
| P(x) | + | 0 - | 0 | + |

P7(x) = -7x²+6x+1

= 7(x-1)(x-1/7)

X1 = 1

X2 = 1/7

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X | -inf | 1-7 | 1 | Infini |
| P(x) | - | 0 + | 0 | - |

1

1/7

P8(x) = 4x2 - 12x + 9