**Приложение 3**

Созвездие Центавр включено в каталог звездного неба Клавдия Птоломея \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. (х2 – 9)(х-5)>0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $\frac{х-7}{х+8}\geq 0$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. (4х – 3)(х – 8)≥0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. (х-2)(4х+4)(2х-6)≥0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. (х+4)(4-х)≤0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. $\frac{(х-2)^{2}}{х-4}>0$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. (4-х)(3-2х)≤0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. (х+1)(2х-8)(3х+6)≤0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| (-∞;3)ᴜ(5;+∞) | $\left[-8;7\right]$ |  | (-1;2)ᴜ(3;+∞) | (-∞;2)ᴜ(4;+∞) |
|  | (-3;3)ᴜ(5;+∞) |  | (-∞;0,75)ᴜ(8;+∞) | (-4;2)ᴜ(3;+∞) | (4;+∞) |
| **Н** | **А** | **М** | **Л** | **О** | **К** | **Ь** | **И** | **М** | **Р** | **А** | **Г** | **П** | **Е** | **С** | **Т** |
| (-∞;-8)ᴜ(7;+∞) |  | (-∞;0,75]ᴜ[8;+∞) |  |  |  |  | (-4;4) | [-1,5;4] |  |
| (-∞;-8)ᴜ[7;+∞) | (-∞;-1)ᴜ(3;+∞) | (-∞;-4]ᴜ[4;+∞) | (-∞;-2]ᴜ[-1;4] |