ASTERIX

***TP info sur GeoGebra***

[*www.geogebra.org*](http://www.geogebra.org)

*Commentaires :*

*Avec le logiciel Geogebra, il s’agit de placer dans le repère « asterix.ggb »*

*(*[*http://www.maths-et-tiques.fr/telech/asterix.ggb*](http://www.maths-et-tiques.fr/telech/asterix.ggb)*) les points définis*

*par leurs coordonnées. En les reliant, on fabrique la figure.*

Relier les points regroupés dans un même cadre.

*Pour déplacer des points ou sélectionner un objet*

*Pour déplacer la feuille*

 *Pour créer des points*

*Pour agrandir ou réduire*

 *Pour créer des segments*

11

6

13

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A |  | ( | 2 | ; | -6 | ) |  | J | 1 | ( | -6 | ; | -6 | ) |  | N | 2 | ( | -8 | ; | 0 | ) |  | T | 3 | ( | -1 | ; | 5 | ) |
| B |  | ( | 7 | ; | -5 | ) |  | K | 1 | ( | -7 | ; | -4 | ) |  | O | 2 | ( | -8 | ; | -3 | ) |  | U | 3 | ( | -1 | ; | 7 | ) |
| C |  | ( | 12 | ; | -6 | ) |  | L | 1 | ( | -9 | ; | -3 | ) |  | P | 2 | ( | -4 | ; | 0 | ) |  | V | 3 | ( | -2 | ; | 9 | ) |
| D |  | ( | 13 | ; | -9 | ) |  | M | 1 | ( | -12 | ; | -4 | ) |  | Q | 2 | ( | -2 | ; | -1 | ) |  | W | 3 | ( | -4 | ; | 12 | ) |
| E |  | ( | 12 | ; | -12 | ) |  | N | 1 | ( | -13 | ; | -6 | ) |  | R | 2 | ( | 0 | ; | 2 | ) |  | Y | 3 | ( | -6 | ; | 15 | ) |
| F |  | ( | 9 | ; | -14 | ) |  | O | 1 | ( | -12 | ; | -8 | ) |  | S | 2 | ( | 2 | ; | 2 | ) |  | Z | 3 | ( | -6 | ; | 17 | ) |
| G |  | ( | 6 | ; | -15 | ) |  | P | 1 | ( | -10 | ; | -10 | ) |  | T | 2 | ( | 4 | ; | 2 | ) |  | A | 4 | ( | -6 | ; | 18 | ) |
| H |  | ( | 3 | ; | -14 | ) |  | Q | 1 | ( | -8 | ; | -10 | ) |  | U | 2 | ( | 2 | ; | 4 | ) |  | B | 4 | ( | -7 | ; | 18 | ) |
| I |  | ( | 1 | ; | -12 | ) |  | R | 1 | ( | -8 | ; | -12 | ) |  | V | 2 | ( | 0 | ; | 5 | ) |  | C | 4 | ( | -8 | ; | 17 | ) |
| J |  | ( | 1 | ; | -8 | ) |  | S | 1 | ( | -7 | ; | -14 | ) |  | W | 2 | ( | -3 | ; | 5 | ) |  | D | 4 | ( | -8 | ; | 16 | ) |
| 2 |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  | Y | 2 | ( | -5 | ; | 3 | ) | 14 |  |  |  |  |  |  |  |
| K |  | ( | 9,5 | ; | -14 | ) |  | T | 1 | ( | -8 | ; | -6 | ) | 12 |  |  |  |  |  |  |  |  | E | 4 | ( | -6,5 | ; | -5 | ) |
| L |  | ( | 7 | ; | -18 | ) |  | U | 1 | ( | -9 | ; | -5 | ) |  | Z | 2 | ( | -6 | ; | 2 | ) |  | F | 4 | ( | -4 | ; | -6 | ) |
| M |  | ( | 3 | ; | -20 | ) |  | V | 1 | ( | -10 | ; | -5 | ) |  | A | 3 | ( | -5 | ; | 4 | ) |  | G | 4 | ( | -5 | ; | -3 | ) |
| N |  | ( | 4 | ; | -18 | ) |  | W | 1 | ( | -11 | ; | -6 | ) |  | B | 3 | ( | -5 | ; | 7 | ) |  | H | 4 | ( | -3 | ; | -4,5 | ) |
| O |  | ( | 4 | ; | -14,5 | ) | 8 |  |  |  |  |  |  |  |  | C | 3 | ( | -6 | ; | 9 | ) |  | I | 4 | ( | -3 | ; | -3 | ) |
| 3 |  |  |  |  |  |  |  | Y | 1 | ( | -8,5 | ; | -5,5 | ) |  | D | 3 | ( | -7 | ; | 12 | ) |  | J | 4 | ( | -4 | ; | -0,5 | ) |
| P |  | ( | 2,5 | ; | -14 | ) |  | Z | 1 | ( | -10 | ; | -6 | ) |  | E | 3 | ( | -8 | ; | 15 | ) | 15 |  |  |  |  |  |  |  |
| Q |  | ( | -2 | ; | -14 | ) |  | A | 2 | ( | -10 | ; | -7 | ) |  | F | 3 | ( | -9 | ; | 18 | ) |  | K | 4 | ( | -11 | ; | -9 | ) |
| R |  | ( | -4 | ; | -15 | ) |  | B | 2 | ( | -9 | ; | -8 | ) |  | G | 3 | ( | -10 | ; | 23 | ) |  | L | 4 | ( | -12 | ; | -12 | ) |
| S |  | ( | -5 | ; | -18 | ) | 9 |  |  |  |  |  |  |  |  | H | 3 | ( | -10 | ; | 24 | ) |  | M | 4 | ( | -9 | ; | -15 | ) |
| T |  | ( | -7 | ; | -16 | ) |  | C | 2 | ( | -1 | ; | -4 | ) |  | I | 3 | ( | -11 | ; | 24 | ) |  | N | 4 | ( | -10 | ; | -12 | ) |
| U |  | ( | -6 | ; | -13 | ) |  | D | 2 | ( | 0 | ; | -2 | ) |  | J | 3 | ( | -12 | ; | 21 | ) |  | O | 4 | ( | -8 | ; | -14 | ) |
| V |  | ( | -3 | ; | -10 | ) |  | E | 2 | ( | 1 | ; | -1 | ) |  | K | 3 | ( | -12 | ; | 19 | ) |  | P | 4 | ( | -7,5 | ; | -13 | ) |
| 4 |  |  |  |  |  |  |  | F | 2 | ( | 2 | ; | -2 | ) |  | L | 3 | ( | -11 | ; | 16 | ) |  |  |  |  |  |  |  |  |
| W |  | ( | -4,5 | ; | -17 | ) |  | G | 2 | ( | 2 | ; | -4 | ) |  | M | 3 | ( | -12 | ; | 16 | ) |  |  |  |  |  |  |  |  |
| Y |  | ( | -3 | ; | -19 | ) |  | H | 2 | ( | 1 | ; | -6 | ) |  | N | 3 | ( | -12 | ; | 13 | ) |  |  |  |  |  |  |  |  |
| Z |  | ( | 0 | ; | -20 | ) | 10 |  |  |  |  |  |  |  |  | O | 3 | ( | -10 | ; | 9 | ) |  |  |  |  |  |  |  |  |
| A | 1 | ( | 4 | ; | -17 | ) |  | I | 2 | ( | 2 | ; | -3 | ) |  | P | 3 | ( | -11 | ; | 9 | ) |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  | J | 2 | ( | 3 | ; | -1 | ) |  | Q | 3 | ( | -12 | ; | 8 | ) |  |  |  |  |  |  |  |  |
| B | 1 | ( | -3 | ; | -9,5 | ) |  | K | 2 | ( | 4 | ; | -2 | ) |  | R | 3 | ( | -11 | ; | 6 | ) |  |  |  |  |  |  |  |  |
| C | 1 | ( | -2 | ; | -11 | ) |  | L | 2 | ( | 4 | ; | -4 | ) |  | S | 3 | ( | -9 | ; | 4 | ) |  |  |  |  |  |  |  |  |
| D | 1 | ( | 0 | ; | -10 | ) |  | M | 2 | ( | 3 | ; | -6 | ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E | 1 | ( | 0,5 | ; | -8 | ) | Hors du cadre de la classe, aucune reproduction, même partielle, autres que celles prévues à l'article L 122-5 du code de la propriété intellectuelle, ne peut être faite de ce site sans l'autorisation expresse de l'auteur.[*www.maths-et-tiques.fr/index.php/mentions-legales*](http://www.maths-et-tiques.fr/index.php/mentions-legales) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| F | 1 | ( | 0 | ; | -7 | ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| G | 1 | ( | -1 | ; | -6 | ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H | 1 | ( | -2 | ; | -6 | ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I | 1 | ( | -3 | ; | -7 | ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |