



NOTION DE FONCTION

ACTIVITÉ

1. Pour chaque ligne du tableau, compléter la dernière case en vérifiant si la fonction donnée est paire, impaire ou ni l'un ni l'autre.

| Numéro | Fonction | Parité |
|--------|-------------------------------|--------|
| 1 | $x \mapsto x^3$ | |
| 2 | $x \mapsto x^2$ | |
| 3 | $x \mapsto x^2 + x$ | |
| 4 | $x \mapsto -x$ | |
| 5 | $x \mapsto -2x^4 + 5$ | |
| 6 | $x \mapsto x^3 + 1$ | |
| 7 | $x \mapsto 2x^3$ | |
| 8 | $x \mapsto x^4 + 5x^2 - 3$ | |
| 9 | $x \mapsto x^2 + 2x$ | |
| 10 | $x \mapsto \frac{1}{x+3}$ | |
| 11 | $x \mapsto x$ | |
| 12 | $x \mapsto -x^3 + x$ | |
| 13 | $x \mapsto -x^6 + 3x^4 + x^2$ | |
| 14 | $x \mapsto \frac{1}{x}$ | |
| 15 | $x \mapsto \sqrt{x}$ | |

2. Au verso de la page, en se référant au tableau, colorier la grille de façon à obtenir un pixel art.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 8 | 8 | 8 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 8 | 15 | 15 | 15 | 15 | 15 | 8 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 15 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 14 | 15 | 8 | 10 | 10 | 10 | 10 | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 15 | 14 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 13 | 15 | 8 | 10 | 10 | 10 | 10 | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 15 | 14 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 8 | 10 | 10 | 10 | 10 | | | | | |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 15 | 14 | 14 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 15 | 8 | 10 | 10 | 10 | 10 | | | | |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 14 | 14 | 14 | 4 | 9 | 4 | 14 | 14 | 14 | 14 | 9 | 9 | 9 | 14 | 14 | 4 | 5 | 9 | 9 | 9 | 9 | | | | |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 14 | 14 | 14 | 9 | 9 | 9 | 14 | 14 | 14 | 14 | 9 | 9 | 9 | 14 | 14 | 4 | 5 | 9 | 9 | 9 | 9 | | | | |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 14 | 14 | 14 | 14 | 14 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 14 | 14 | 14 | 4 | 5 | 5 | 5 | 5 | 9 | 9 | | | |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 11 | 11 | 11 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 11 | 11 | 4 | 5 | 9 | 5 | 4 | 4 | 4 | 5 | | | | |
| 9 | 9 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 11 | 11 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 11 | 11 | 4 | 4 | 5 | 5 | 4 | 11 | 11 | 11 | 4 | | | | |
| 9 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 11 | 11 | 3 | 3 | 3 | 3 | 11 | 11 | 4 | 4 | 5 | 5 | 4 | 11 | 11 | 11 | 11 | 4 | | | | |
| 5 | 4 | 11 | 11 | 11 | 11 | 11 | 9 | 5 | 5 | 4 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4 | 5 | 5 | 4 | 11 | 11 | 11 | 4 | 5 | | | |
| 2 | 1 | 11 | 11 | 11 | 11 | 11 | 6 | 6 | 1 | 1 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 1 | 1 | 1 | 1 | 6 | 11 | 11 | 11 | 1 | 1 | 2 | |
| 2 | 1 | 11 | 11 | 11 | 11 | 11 | 6 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 7 | 7 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 6 | 6 | 11 | 1 | 1 | 2 | 6 |
| 2 | 2 | 1 | 11 | 11 | 6 | 6 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 7 | 7 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 6 | 1 | 1 | 2 | 6 | 6 | | |
| 6 | 6 | 2 | 1 | 11 | 6 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 6 | 1 | 2 | 6 | 6 | 6 | | |
| 6 | 6 | 6 | 2 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 1 | 2 | 6 | 6 | 6 | 6 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 2 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 7 | 7 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 1 | 2 | 6 | 6 | 6 | 6 | 6 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 1 | 2 | 6 | 6 | 6 | 6 | 6 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 1 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 1 | 2 | 6 | 6 | 6 | 6 | 6 | | | | |

| Parité de la fonction | Paire | Impaire | Ni l'un ni l'autre |
|-----------------------|-------|---------|--------------------|
| Couleur Entre 1 et 5 | Noir | Beige | Magenta |
| Couleur Entre 6 et 10 | Noir | Violet | Blanc |
| Couleur Après 11 | Cyan | Marron | Beige |

Dessin original : pngwing.com.