

## FICHE 7 : TRANSFORMER UNE EGALITE

**EXERCICE 1** - Transformer chaque égalité :

|                                                                                                     |                                                                                                           |                                                                                                            |                                                                                                          |                                                                                                           |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| $+ 8$<br>$x = 6$<br>→<br>$x + 8 = 6 + 8$<br>$x + 8 = 14$                                            | $\times 4$<br>$x = 7$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>    | $+ 12$<br>$x = -5$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>        | $\times 3$<br>$x = -14$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $- 5$<br>$x = 7$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>         |
| $- 17$<br>$x = -2$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $\times (-5)$<br>$x = 6$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $\times (-6)$<br>$x = -9$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $\times 11$<br>$-7 = x$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $\times (-8)$<br>$x = 6$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> |

**EXERCICE 2** - Transformer chaque égalité :

|                                                                                                            |                                                                                                          |                                                                                                                       |                                                                                                           |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| $- 7$<br>$x + 7 = 6$<br>→<br>$x + 7 - 7 = 6 - 7$<br>$x = -1$                                               | $\times 3$<br>$-5x = 7$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $+ 15$<br>$x - 9 = -5$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>               | $\times 3$<br>$-2x = -8$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $- 5$<br>$3 - x = 7$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>                 |
| $\times (-2)$<br>$3x = 5$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $: 3$<br>$3x = 7$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>       | $\times (-6)$<br>$\frac{1}{3}x = -9$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> | $: (-5)$<br>$7 = -5x$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div>    | $\times (-4)$<br>$-\frac{3}{4}x = 6$<br>→<br><div style="border: 1px solid black; width: 100px; height: 30px;"></div> |

**EXERCICE 3** - Compléter les pointillés :

|                                                  |                                                   |                                                     |                                                     |                                                  |
|--------------------------------------------------|---------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|
| $\times 3$<br>$x = 6$<br>→<br>$3x = 18$          | $\dots\dots$<br>$x = 7$<br>→<br>$5x \dots\dots$   | $\dots\dots$<br>$x = -5$<br>→<br>$x + 8 \dots\dots$ | $\dots\dots$<br>$x = -8$<br>→<br>$x - 9 \dots\dots$ | $\dots\dots$<br>$x = 7$<br>→<br>$-2x \dots\dots$ |
| $\dots\dots$<br>$x = 6$<br>→<br>$-7x \dots\dots$ | $\dots\dots$<br>$-5 = x$<br>→<br>$-30 \dots\dots$ | $\dots\dots$<br>$x = -5$<br>→<br>$-5x \dots\dots$   | $\dots\dots$<br>$-2x = 3$<br>→<br>$6x \dots\dots$   | $\dots\dots$<br>$x = 7$<br>→<br>$-8x \dots\dots$ |

**EXERCICE 4** - Compléter les pointillés :

|                                                                    |                                                                       |                                                                       |                                                                     |                                                                     |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| $- 7$<br>$x + 7 = 6$<br>→<br>$x + 7 - 7 = 6 - 7$<br>$x = -1$       | $\dots\dots$<br>$x + 9 = -4$<br>→<br>$\dots\dots$<br>$x = \dots\dots$ | $\dots\dots$<br>$x - 9 = -5$<br>→<br>$\dots\dots$<br>$x = \dots\dots$ | $\dots\dots$<br>$5x = -45$<br>→<br>$\dots\dots$<br>$x = \dots\dots$ | $\dots\dots$<br>$-3x = 21$<br>→<br>$\dots\dots$<br>$x = \dots\dots$ |
| $\dots\dots$<br>$-5x = 6$<br>→<br>$\dots\dots$<br>$x = \dots\dots$ | $\dots\dots$<br>$2x = -4$<br>→<br>$\dots\dots$<br>$x = \dots\dots$    | $\dots\dots$<br>$-3x = -5$<br>→<br>$\dots\dots$<br>$x = \dots\dots$   | $\dots\dots$<br>$6x = -8$<br>→<br>$\dots\dots$<br>$x = \dots\dots$  | $\dots\dots$<br>$-13x = 9$<br>→<br>$\dots\dots$<br>$x = \dots\dots$ |