1. Calculer

$A = 3^2 + 7 \times (-7)$
$B = -4 \times ((-1)^2 + 3 \times (-1))$
$C = -5 + 3^2 \times (-1)$
$D = (-1 - 1 + (-3)^2) \times 2$
$E = 1^2 + 5 - 6 \times (-3)$

2. Écrire sous la forme a^n

a. $\dfrac{3^5 \times 3^7}{9^2} \times 3$ **c.** $\dfrac{2 \times 2^7}{4 \times 4}$ **e.** $\dfrac{27^3}{3}$

b. $\dfrac{2^5 \times 8}{2^4}$ **d.** $\dfrac{4^5}{2}$

Correction

1. $A = -40$ $B = 8$ $C = -14$ $D = 14$ $E = 24$

2. **a.** $\dfrac{3^5 \times 3^7}{9^2} \times 3 = 3^9$ **c.** $\dfrac{2 \times 2^7}{4 \times 4} = 2^4$ **d.** $\dfrac{4^5}{2} = \dfrac{(2^2)^5}{2} = 2^9$

b. $\dfrac{2^5 \times 8}{2^4} = 2^4$ **e.** $\dfrac{27^3}{3} = 3^8$