

## 1. Calculer

$$A = 5^2 + (-4) \times (-3)$$

$$B = (-2)^2 - 4 + 1 \times 3$$

$$C = -5 + 1^2 \times 6$$

$$D = (-1)^2 \times (-5 - 1 - 5)$$

$$E = (2 - 1 + (-2)^2) \times 5$$

2. Écrire sous la forme  $a^n$ 

a.  $\frac{8 \times 2}{4^6}$

b.  $\frac{3^5 \times 9}{3^5 \times 3^3}$

c.  $\frac{5 \times 5^3}{25^2}$

d.  $\frac{3^6 \times 3^7}{9^3} \times 3$

e.  $\frac{4^3}{2}$

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**Correction**

1.  $A = 37$        $B = 3$        $C = 1$        $D = -11$        $E = 25$

2. a.  $\frac{8 \times 2}{4^6} = 2^{-8}$       c.  $\frac{5 \times 5^3}{25^2} = 1$       d.  $\frac{3^6 \times 3^7}{9^3} \times 3 = 3^8$       e.  $\frac{4^3}{2} = 2^5$   
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