Exercice 1 (*4 points*)

1) $A = \frac{8}{9} - \frac{15}{9}$

$A = \boxed{\frac{-7}{9}}$

$B = \frac{13}{7} + \frac{1}{7}$

$B = \frac{14}{7}$

$B = 2$

2) $C = \frac{5}{6} + \frac{1}{3} - \frac{11}{12}$

$C = \frac{10}{12} + \frac{4}{12} - \frac{11}{12}$

$C = \frac{3}{12}$

$C = \boxed{\frac{1}{4}}$

$D = \frac{9}{5} - \frac{5}{6}$

$D = \frac{54}{30} - \frac{25}{30}$

$D = \boxed{\frac{29}{30}}$

Exercice 2 (*4 points*)

1) $A = 5(4x - 3)$

$A = 5 \times 4x - 5 \times 3$

$A = 20x - 15$

$B = 2x(7x + 4)$

$B = 2x \times 7x + 2x \times 4$

$B = 14x^2 + 8x$

2) $C = 45y + 9$

$C = 9 \times 5y + 9 \times 1$

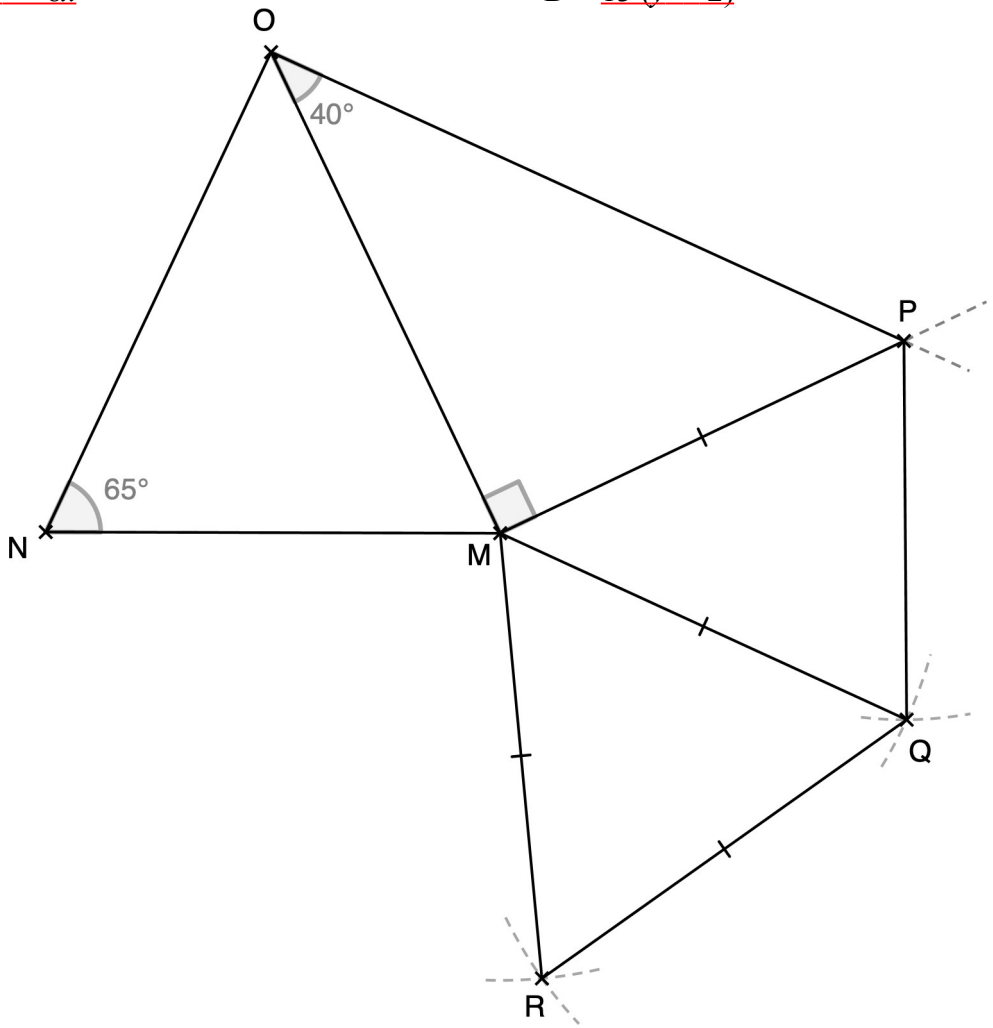
$C = 9(5y + 1)$

$D = 13y^2 - 26$

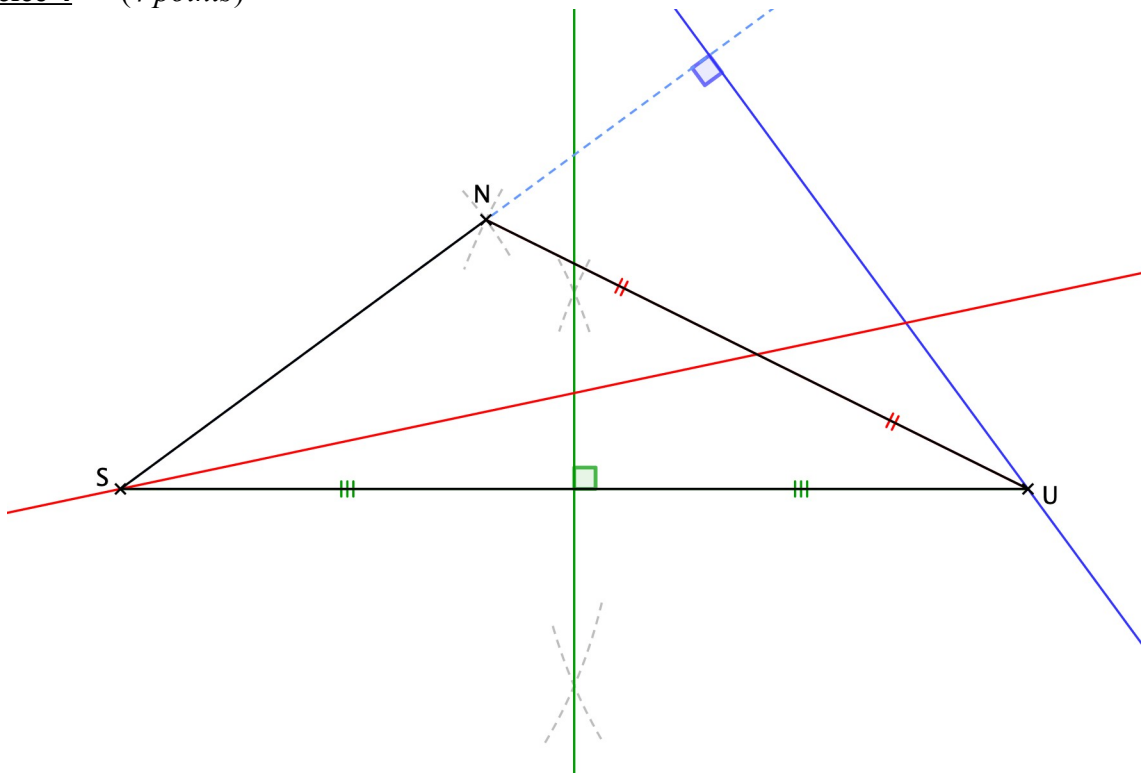
$D = 13 \times y^2 - 13 \times 2$

$D = 13(y^2 - 2)$

Exercice 3
(*4 points*)



Exercice 4 (*4 points*)



Exercice 5 (*3 points*)

1) Avec 5 :

$P = 5 \times (5 + 10)$

$P = 5 \times 15$

$P = 75$

Avec 5, on obtient 75.

2) L'expression littérale est : $5 \times (x + 10)$.