

**EX**
1

Réduire les expressions suivantes, si cela est possible.

3L11-2

1. $A = -11 \times 8x$
2. $B = 5x + 3x^2$
3. $C = -8x + 3 - 4x + 2$
4. $D = -5 + 2x - 2 - 10x$
5. $E = -9x + 1 + x$
6. $F = -4x \times 2$
7. $G = 2x - 2$
8. $H = -x - 6x$
9. $I = 10x - 2x$
10. $J = -4x + 10 - 3x + 4$

EX
2

Factoriser les expressions suivantes.

3L11-4

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|---------------------|---------------------|
| 1. $A = 5x^2 + 6x$ | 6. $F = 4a - 6b$ |
| 2. $B = 6x - 9x^2$ | 7. $G = 5x^2 + x$ |
| 3. $C = 9x + 21x^2$ | 8. $H = 2a + 4b$ |
| 4. $D = -5a + 25b$ | 9. $I = 77a - 110b$ |
| 5. $E = 6a + 21b$ | 10. $J = 20a + 45b$ |



Corrections

EX 1

1. $A = -11 \times 8x = -88x$
2. $B = 5x + 3x^2$
3. $C = -8x + 3 - 4x + 2 = -12x + 5$
4. $D = -5 + 2x - 2 - 10x = -8x - 7$
5. $E = -9x + 1 + x = -8x + 1$
6. $F = -4x \times 2 = -8x$
7. $G = 2x - 2$
8. $H = -x - 6x = -7x$
9. $I = 10x - 2x = 8x$
10. $J = -4x + 10 - 3x + 4 = -7x + 14$

EX 2

1. $A = 5x^2 + 6x$
 $= x \times 5x + x \times 6$
 $= x(5x + 6)$
2. $B = 6x - 9x^2$
 $= 3x \times 2 - 3x \times 3x$
 $= 3x(2 - 3x)$
3. $C = 9x + 21x^2$
 $= 3x \times 3 + 3x \times 7x$
 $= 3x(3 + 7x)$
4. $D = -5a + 25b$
 $= -5a + 5 \times 5b$
 $= 5(-a + 5b)$
5. $E = 6a + 21b$
 $= 3 \times 2a + 3 \times 7b$
 $= 3(2a + 7b)$
6. $F = 4a - 6b$
 $= 2 \times 2a - 2 \times 3b$
 $= 2(2a - 3b)$
7. $G = 5x^2 + x$
 $= x \times 5x + x \times 1$
 $= x(5x + 1)$
8. $H = 2a + 4b$
 $= 2a + 2 \times 2b$
 $= 2(a + 2b)$
9. $I = 77a - 110b$
 $= 11 \times 7a - 11 \times 10b$
 $= 11(7a - 10b)$
10. $J = 20a + 45b$
 $= 5 \times 4a + 5 \times 9b$
 $= 5(4a + 9b)$