

MATHS WORKSHEETS- ALGEBRA- EXPAND THE EXPRESSIONS

Expand the following expressions.

| | | |
|----|----------------------|--|
| 1 | $4(x + 7) =$ | |
| 2 | $-2(m + 3) =$ | |
| 3 | $3(2y - 1) =$ | |
| 4 | $2a(3a + 2b + 7) =$ | |
| 5 | $-(x + y) =$ | |
| 6 | $2x(x^2 + 3) =$ | |
| 7 | $4(x - 5) =$ | |
| 8 | $8(2x - 3y) =$ | |
| 9 | $2(2a + 3b - 4c) =$ | |
| 10 | $-(a - b) =$ | |
| 11 | $-(4m - 5) =$ | |
| 12 | $6a^2(ab - 3) =$ | |
| 13 | $-2x(2 - 2x) =$ | |
| 14 | $y(y + 8) =$ | |
| 15 | $-7(2m - 5) =$ | |
| 16 | $-2t(4t - 6) =$ | |
| 17 | $-5p(6p + 2q + 3) =$ | |
| 18 | $4(3x + y - z) =$ | |
| 19 | $3m(2 - 4m) =$ | |
| 20 | $6a^2(2ab - 3) =$ | |

Answer Key:

- 1 $4x + 28$
- 2 $-2m - 6$
- 3 $6y - 3$
- 4 $6a^2 + 4ab + 14a$
- 5 $-x - y$
- 6 $2x^3 + 6x$
- 7 $4x - 20$
- 8 $16x - 24y$
- 9 $4a + 6b - 8c$
- 10 $-a + b$
- 11 $-4m + 5$
- 12 $6a^3b - 18a^2$
- 13 $-4x + 4x^2$
- 14 $y^2 + 8y$
- 15 $-14m + 35$
- 16 $-8t^2 + 12t$
- 17 $-30p^2 - 10pq - 15p$
- 18 $12x + 4y - 4z$
- 19 $6m - 12m^2$
- 20 $12a^3b - 18a^2$