

Expand each.

1. $(Q + 14)(Q - 14) =$

2. $(6h^2 - 23k^3)(6h^2 + 23k^3) =$

3. $(c - 13)^2 =$

4. $(4g + 7)^2 =$

5. $(3w^2 - 5x^3)^2 =$

6. Fill in the blanks to make a true statement.

a) $(\quad)(\quad) = p^2 - 64$

b) $(\quad)(\quad) = 25m^2 - 144$

Expand each.

1. $(Q + 14)(Q - 14) = Q^2 - 196$

2. $(6h^2 - 23k^3)(6h^2 + 23k^3) = 36h^4 - 529k^6$

3. $(c - 13)^2 = c^2 - 26c + 169$

4. $(4g + 7)^2 = 16g^2 + 56g + 49$

5. $(3w^2 - 5x^3)^2 = 9w^4 - 30w^2x^3 + 25x^6$

6. Fill in the blanks to make a true statement.

a) $(p + 8)(p - 8) = p^2 - 64$

b) $(5m + 12)(5m - 12) = 25m^2 - 144$

Answers