

Name : _____

Expand: Algebraic Identities

MS2

Expand each expression using algebraic identities.

1) $\left(\frac{x}{2} - y\right)^2$

2) $\left(q^2 + q + \frac{1}{4}\right)^2$

3) $\left(5d + \frac{1}{d}\right)^2$

4) $\left(\frac{1}{2} + 2b\right)^2$

5) $(r + s - 1.4t)^2$

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7) $(0.6n - m)^2$

8) $(a - 1)^2$

9) $(a - 1.8)^2$

10) $(2.7 + r^4)(2.7 - r^4)$