

Name : _____

Algebraic Identities

MS3

Expand each expression using algebraic identities.

1) $\left(\frac{m}{n} + \frac{1}{3}\right)^2$

2) $\left(\frac{4}{3} + k^4\right)^2$

3) $(6b - 0.2)^2$

5) $(0.1x + y)^2$

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

9) $(7 - y^3z)^2$

10) $\left(4g - \frac{1}{g}\right)^2$

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