

Name : _____

Algebraic Identity

MS2

Expand each expression using algebraic identity.

1) $\left(\frac{v}{6} - \frac{1}{5}\right)\left(\frac{v}{6} + \frac{3}{5}\right)$

2) $\left(\frac{st}{2} + 7\right)\left(\frac{st}{2} - 4\right)$

3) $(1.5a + bc)(1.5a - bc)$

5) $\left(\frac{8}{n} + n\right)\left(\frac{8}{n} - n\right)$

7) $\left(3r - \frac{1}{3}\right)\left(3r + \frac{1}{3}\right)$

9) $\left(\frac{t}{4} - 6.4u\right)\left(\frac{t}{4} + 3.2u\right)$

10) $(c^3 - 3.4d)(c^3 + 3d)$

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