



Math worksheet on 'Algebraic Functions - Multiply Bracketed Terms, Same Variable (Level 3)'. Part of a broader unit on 'Polynomials and Quadratics - Practice'

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1

Which answer is the same expression as this

$$(m + 4)(5m + 6)$$

**a**  $24m^2 + 26m + 16$

**b**  $m^2 + 24m + 26$

**c**  $26m^2 + m + 24$

**d**  $5m^2 - 26m + 24$

**e**  $5m^2 + 26m + 24$

**f**  $m^2 - 26m + 24$

2

Which answer is the same expression as this

$$(m + 6)(2m + 3)$$

**a**  $15m^2 + m + 18$

**b**  $18m^2 - 15m + 12$

**c**  $2m^2 + 15m + 18$

**d**  $m^2 + 18m - 15$

**e**  $3m^2 + 18m - 15$

**f**  $2m^2 - 15m + 18$

3

Which answer is the same expression as this

$$(5p + 4)(p - 6)$$

**a**  $24p^2 + 10p + 16$

**b**  $5p^2 + 26p - 24$

**c**  $p^2 + 24p - 10$

**d**  $6p^2 + 10p - 24$

**e**  $4p^2 - 10p + 24$

**f**  $5p^2 - 26p - 24$

4

Which answer is the same expression as this

$$(3p + 8)(p - 6)$$

**a**  $p^2 - 48p + 14$

**b**  $3p^2 - 14p - 48$

**c**  $6p^2 - 14p - 48$

**d**  $3p^2 - 10p - 48$

**e**  $3p^2 + 14p - 48$

**f**  $48p^2 - 14p + 20$

5

Which answer is the same expression as this

$$(y + 2)(3y + 7)$$

**a**  $14y^2 + 13y + 16$

**b**  $3y^2 - 13y + 14$

**c**  $y^2 - 14y + 13$

**d**  $y^2 - 13y + 14$

**e**  $3y^2 + 13y + 14$

**f**  $y^2 + 13y - 14$

6

Which answer is the same expression as this

$$(2p + 2)(p - 6)$$

**a**  $2p^2 - 8p + 12$

**b**  $6p^2 - 8p - 12$

**c**  $p^2 + 12p + 8$

**d**  $2p^2 - 10p - 12$

**e**  $2p^2 + 8p - 12$

**f**  $p^2 + 10p + 12$

7

Which answer is the same expression as this

$$(6p + 8)(p - 6)$$

**a**  $8p^2 + 28p - 48$

**b**  $p^2 - 48p + 14$

**c**  $48p^2 - 14p + 20$

**d**  $6p^2 - 28p - 48$

**e**  $p^2 + 48p - 14$

**f**  $6p^2 - 14p - 48$