



Multiplying Binomials

Name _____

Score _____

MP:15

Multiply the binomials by FOIL method.

1) $(2t^3 - 9)(2t^3 + 9)$

2) $(d + 1)(d + 1)$

3) $(m^2 + n)(3n - 4m^2)$

4) $(2u^3 + v^3)(-u - 3v)$

5) $(4k^4 - k^5)(k - k^3)$

6) $(x - 5)(3x + 7)$

7) $(p + q)(r + s)$

8) $(6 - ab)(5ab + 2)$



Multiplying Binomials

Name _____

Score _____

Answer key

MP:15

Multiply the binomials by FOIL method.

1) $(2t^3 - 9)(2t^3 + 9)$

$4t^6 - 81$

2) $(d + 1)(d + 1)$

$d^2 + 2d + 1$

3) $(m^2 + n)(3n - 4m^2)$

$-4m^4 - m^2n + 3n^2$

4) $(2u^3 + v^3)(-u - 3v)$

$-2u^4 - 3v^4 - 6u^3v - uv^3$

5) $(4k^4 - k^5)(k - k^3)$

$k^8 - 4k^7 - k^6 + 4k^5$

6) $(x - 5)(3x + 7)$

$3x^2 - 8x - 35$

7) $(p + q)(r + s)$

$pr + ps + qr + qs$

8) $(6 - ab)(5ab + 2)$

$-5a^2b^2 + 28ab + 12$