Multiplying Binomials

Name _____

Score _____

MP:11

Multiply the binomials.

1) $(2m - 3n) \times (4n + 5m)$

2) $(6 - 7s) \times (-2s^2 - 3)$

3) $(k^2 + 6) \times (k - 1)$

4) $(a^2 + b^3) \times (c - ab)$

5) $(3p + 4q) \times (p^2 + q^2)$

6) $(8 + d) \times (d - 8)$

7) $(7w^3 - w) \times (2 - w^2)$

8) $(-5g^2 - h) \times (-g + 2h^3)$

Multiplying Binomials

Name _____

Score _____

Answer key

MP:11

Multiply the binomials.

1) $(2m - 3n) \times (4n + 5m)$

$10m^2 - 7mn - 12n^2$

2) $(6 - 7s) \times (-2s^2 - 3)$

$14s^3 - 12s^2 + 21s - 18$

3) $(k^2 + 6) \times (k - 1)$

$k^3 - k^2 + 6k - 6$

4) $(a^2 + b^3) \times (c - ab)$

$-ab^4 - a^3b + b^3c + a^2c$

5) $(3p + 4q) \times (p^2 + q^2)$

$3p^3 + 3pq^2 + 4p^2q + 4q^3$

6) $(8 + d) \times (d - 8)$

$d^2 - 64$

7) $(7w^3 - w) \times (2 - w^2)$

$-7w^5 + 15w^3 - 2w$

8) $(-5g^2 - h) \times (-g + 2h^3)$

$-10g^2h^3 - 2h^4 + 5g^3 + gh$