Multiplying Two Binomials (C)

Simplify each expression.

1. $(-v^5 + 4v^4)(v + 2)$

2. $(-8f - 1)(-6f - 5)$

3. $(-5v^2 - 5v)(5v^5 + v^4)$

4. $(3b^3 + 7b^2)(6b^4 + 4b^3)$

5. $(-4s^2 - 7s)(-4s^4 + s^3)$

6. $(9v^2 - 7v)(4v^2 - 3v)$

7. $(7h + 9)(-9h^2 + 4h)$

8. $(-8h^2 + 7h)(4h^2 + 3h)$

9. $(c^3 + 4c^2)(8c^4 - 7c^3)$

10. $(m^5 - 6m^4)(-2m + 6)$

Multiplying Two Binomials (C) Answers

Simplify each expression.

1. $(-v^5 + 4v^4)(v + 2)$
$= -v^6 + 2v^5 + 8v^4$

2. $(-8f - 1)(-6f - 5)$
$= 48f^2 + 46f + 5$

3. $(-5v^2 - 5v)(5v^5 + v^4)$
$= -25v^7 - 30v^6 - 5v^5$

4. $(3b^3 + 7b^2)(6b^4 + 4b^3)$
$= 18b^7 + 54b^6 + 28b^5$

5. $(-4s^2 - 7s)(-4s^4 + s^3)$
$= 16s^6 + 24s^5 - 7s^4$

6. $(9v^2 - 7v)(4v^2 - 3v)$
$= 36v^4 - 55v^3 + 21v^2$

7. $(7h + 9)(-9h^2 + 4h)$
$= -63h^3 - 53h^2 + 36h$

8. $(-8h^2 + 7h)(4h^2 + 3h)$
$= -32h^4 + 4h^3 + 21h^2$

9. $(c^3 + 4c^2)(8c^4 - 7c^3)$
$= 8c^7 + 25c^6 - 28c^5$

10. $(m^5 - 6m^4)(-2m + 6)$
$= -2m^6 + 18m^5 - 36m^4$