

Find each product.

1) $(5n - 6)(3n^2 + 7n - 1)$
 $15n^3 + 17n^2 - 47n + 6$

3) $(-b - 6)^2$
 $b^2 + 12b + 36$

5) $5a(3a^2 - 6a + 5)$
 $15a^3 - 30a^2 + 25a$

7) $(7a - 8)^2$
 $49a^2 - 112a + 64$

9) $5m(m + 4)$
 $5m^2 + 20m$

11) $-3(8p - 7)(8p + 4)$
 $-192p^2 + 72p + 84$

13) $(4x + 3)(8x^2 - 6x + 3)$
 $32x^3 - 6x + 9$

15) $(6x + 4y)(-7x - 7y)$
 $-42x^2 - 70xy - 28y^2$

2) $(2x - 4)(4x^2 - 5x + 8)$
 $8x^3 - 26x^2 + 36x - 32$

4) $(-5v + 6)(8v + 5)$
 $-40v^2 + 23v + 30$

6) $(8k - 8)(3k^2 - 3k - 2)$
 $24k^3 - 48k^2 + 8k + 16$

8) $2n(n + 5)$
 $2n^2 + 10n$

10) $2(x - 1)(6x + 3)$
 $12x^2 - 6x - 6$

12) $8v^2(7v + 8)$
 $56v^3 + 64v^2$

14) $(-5m + 8n)(5m + 6n)$
 $-25m^2 + 10mn + 48n^2$

16) $(8r + 6)^2$
 ~~$64r^2 + 96r + 36$~~

$$(8r + 6)(8r + 6)$$

$$64r^2 + 48r + 48r + 36$$

$$= 64r^2 + 96r + 36$$