## Simplifying Products



Problems: Simplify each product.

1. $(m+n)(m+n)$
2. $(3 x+4)(x-5)$
3. $(-6-4 b)(b+7)$
4. $(19 y-10)(8 y-24)$
5. $(2 x+3)\left(x^{2}+3\right)$
6. $(2 g-h)(-p+3 q)$
7. $(3 x)\left(x^{2}-2 x+5\right)$
8. $(5 x+9)\left(x^{3}+2 x^{2}+5\right)$
9. $\left(x^{2}-3 y\right)\left(y^{2}+x\right)$
10. $\left(x^{2}+4 x-6\right)\left(2 x^{2}+8 x+1\right)$
