Write each fraction in lowest terms.

1. $\frac{22f^2}{77f^4}$	2. $\frac{30j^5}{40j^2}$	3. $\frac{-30a^2 + 90a}{-7a^2 + 63}$

Classify as a monomial, binomial, or trinomial.

1. $-20x^2 + 15x + 17$ ☐ Monomial ☐ Binomial ☐ Trinomial	2. $43s^4$ ☐ Monomial ☐ Binomial ☐ Trinomial
3. $-13x^2 + 10x + 15$ ☐ Monomial ☐ Binomial ☐ Trinomial	4. $15x^2 + 13x - 16$ ☐ Monomial ☐ Binomial ☐ Trinomial
5. $12x^5 + 4x$ ☐ Monomial ☐ Binomial ☐ Trinomial	6. 62 ☐ Monomial ☐ Binomial ☐ Trinomial
7. $6x + 4$ ☐ Monomial ☐ Binomial ☐ Trinomial	8. $64d$ ☐ Monomial ☐ Binomial ☐ Trinomial

Multiply.

1. $(12x)(12x + 11)$	2. $(9x)(4x + 2)$

Add.

1. $(14x + 5) + (10x + 5)$	2. $(10x + 12) + (6x + 20)$
3. $(19x^2 + 12x + 12) + (7x^2 + 10x + 13)$	4. $(17x^2 + 20x + 11) + (15x^2 + 11x + 17)$

Write each fraction in lowest terms.

1. $\frac{84a^2}{108a^6}$	2. $\frac{99a^3}{66a^2}$	3. $\frac{a^2 + 9a + 18}{a^2 + a - 30}$