$$\sum_{i=1}^{n} 3i = \frac{3n(n+1)}{2}$$

$$\sum_{i=1}^{n} \frac{1}{i(i+1)} = \frac{n}{n+1}$$

$$\sum_{i=1}^{n} 5^i = \frac{5^{n+1}-5}{4}$$