Getting Comfortable with Σ

Evaluate the following:

$$\sum_{i=2}^{5} i^2 \tag{1}$$

$$\sum_{n=0}^{5} 3n \tag{2}$$

$$\sum_{j=4}^{7} aj - bj^2 \tag{3}$$

$$\sum_{k=2}^{5} k^2 \tag{4}$$

Write the following using $\sum$ notation:

$$3 + 4 + 5 + 6 + 7 \tag{5}$$

$$3 + 5 + 7 + 9 + 11 + 13 \tag{6}$$

$$3 - 5 + 7 - 9 + 11 - 13 \tag{7}$$

$$3 + 8 + 15 + 24 + 35 + 48 \tag{8}$$