



2a)

2b) Multiply the term number by three more than the term number.

2c)  $n(n+3)$ 4a)  $n=1; 1+1+(1+1)=4$  $n=2; 2+2+(2+1)=7$  $n=3; 3+3+(3+1)=10$ 4b)  $n=100;$  $100+100+(100+1)=301$ 

6) b. They are different

9) Sample:  $a=2$  &  $b=5$ 

$$(2-5)+5=2$$

$$2-(5+5)=-10$$

10)  $2r+3r; 5r$ 11)  $x^2 - x = x(x-1)$ 

14a) 4,000

14b) 400

14c)  $x=0$ 15)  $>$ 16)  $<$ 17)  $=$ 

19) \$37.89