## Practice 14.3

Evaluate each combination. Use the formula and then check your answers with your calculator.

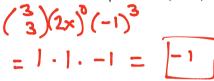
Find each term described.

= 10 . 3. 7

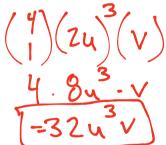
13-11.9 = 1297

SAME AS #3

5) 4th term in expansion of  $(2x - 1)^3$ 



8) 2nd term in expansion of  $(2u + v)^4$ 

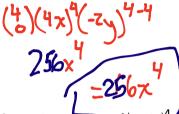


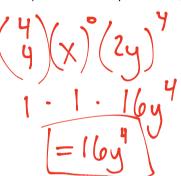
11) 
$$(2n-1)^3$$

$$| (3n-1)^3 | (3$$

T=82-122+6n-1

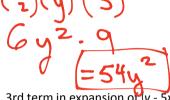
6) 1st term in expansion of  $(4x - 2y)^4$ 

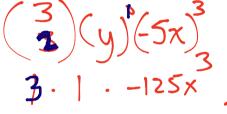




 $|(1)(3y)^{2} + 3(1)(3y)^{2} + 3(1)(3y)^{2} + |(1)(3y)^{3}|$   $= 1 + 9y + 27y^{2} + 27y^{3}$ 

7) 3rd term in expansion of  $(y + 3)^4$  $(\frac{7}{2})(4)(3)^{2}$ 





1x(-94) + 4x(-44)+(x(44)+1 x (44) + (x(44)) x4-16x3y+96x2y2-256xu3+256y

14) 
$$(x+4)^4$$
  
 $|\chi'(4)^0 + 4|\chi'(4)^3 + 6|\chi'(4)^2 + 4|\chi'(4)^3 + 4|\chi'(4)^4 + 2|\chi'(4)^3 + 4|\chi'(4)^3 + 2|\chi'(4)^3 + 2|$ 

15)  $(y-3x)^5$   $|y(-3x)^5|y(-3x)^4|0y^2(-3x)^4|0y^2(-3x)^4|y(-3x)^4|y(-3x)^5|$ =  $y^5-15y^4x+90y^3x^2-270y^2x^3+405yx^4-243x$