25.

-n + 4(n+1)

-1n + 4n +4

3n +4 ANSWER

26)

-3(1-3x) +2x

-3 +9x +2x

-3 +11x

27)

-2(-3k +4) -7

6k + -8 -7

6k -15

28) -3p – (-8 +4p)

-1p +8

29) -4 + 6(-4x +3)

-4 -24x +18

14 -24x

30) 3n + 3(1+8n)

27n +3

(x+7)(x-3)

F O I L

X2 -3x +7x -21 = **x2 +4x -21** ANSWER

(x+10)(x-3)

F O I L

X2 -3x +10x -30 = **X2 +7x -30**

(x-6)(x-5)

F O I L

X2 -5x -6x +30 = **X2 -11x +30** Answer

(x-20)(x-5)

F O I L

X2 -5x -20x +100 = X2 -25x +100

X+x=2x x\*x=x2

(a+b)(a-b)

F O I L

a2 -1ab +1ab -b2 = **a2 -b2**

(-2x)(3x2)= -2x3x2=**-6x3**

(2x-1)(2x+1) = 4x2 + 2x -2x -1 = **4x2-1**

(-1-y)(-1+y) =1 -1y +1y -y2 =**1-y2**

(Y2-1)(y2-1) =1y4 -1y2 -1y2 +1 =**1y4 -2y2 +1**

Distribute: a(b+c) = ab+ac

FOIL: (a+b)(c+d) = ac +ad +bc +bd

16. (x+2)(x2+2)=**x3 +2x +2x2 +4**

17. (x-3)(x-5) =x**2** -5x -3x +15 = **x2 -8x +15**

18. (x+3)(x-5) = **x2 -2x -15**

19. (x+3)(x+5) = **x2 +8x +15**

20. (x-3)(x+5) = **x2 +2x -15**