Name:_____Period:_____Date:_____

Follow ALL steps below:

1. Show *all* work on this paper or a lined-sheet of paper **you will need to turn in later!

2. Log in your answers on the Google Form [link posted in GoogleClass > Classwork tab > Make-up credits] **do write score/grade down after you hit Submit – view score.

3. Turn in your work (papers) to Ms. Nong with the score for this work & check grade in Aerie when it's in.

5.5 Practice - Multiply Polynomials

Find each product.

1) $6(p - 7)$

2) $4k(8k + 4)$

3) $2(6x + 3)$

4) $3n^2(6n + 7)$

5) $5m^4(4m + 4)$

6) $3(4r - 7)$

7) $(4n + 6)(8n + 8)$

8) $(2x + 1)(x - 4)$

9) $(8b + 3)(7b - 5)$

10) $(r + 8)(4r + 8)$

11) $(4x + 5)(2x + 3)$

12) $(7n - 6)(n + 7)$

13) $(3v - 4)(5v - 2)$

14) $(6a + 4)(a - 8)$

15) $(6x - 7)(4x + 1)$

16) $(5x - 6)(4x - 1)$

17) $(5x + y)(6x - 4y)$

18) $(2u + 3v)(8u - 7v)$

19) $(x + 3y)(3x + 4y)$

20) $(8u + 6v)(5u - 8v)$

21) $(7x + 5y)(8x + 3y)$

22) $(5a + 8b)(a - 3b)$

23) $(r - 7)(6r^2 - r + 5)$

24) $(4x + 8)(4x^2 + 3x + 5)$

25) $(6n - 4)(2n^2 - 2n + 5)$

26) $(2b - 3)(4b^2 + 4b + 4)$

27) $(6x + 3y)(6x^2 - 7xy + 4y^2)$

28) $(3m - 2n)(7m^2 + 6mn + 4n^2)$

29) $(8n^2 + 4n + 6)(6n^2 - 5n + 6)$

30) $(2a^2 + 6a + 3)(7a^2 - 6a + 1)$

31) $(5k^2 + 3k + 3)(3k^2 + 3k + 6)$

32) $(7u^2 + 8uv - 6v^2)(6u^2 + 4uv + 3v^2)$

33) $3(3x - 4)(2x + 1)$

34) $5(x - 4)(2x - 3)$

35) $3(2x + 1)(4x - 5)$

36) $2(4x + 1)(2x - 6)$

37) $7(x - 5)(x - 2)$

38) $5(2x - 1)(4x + 1)$

39) $6(4x - 1)(4x + 1)$

40) $3(2x + 3)(6x + 9)$

Also posted at teacher's website:

Video tutorings:

Multiply with Distributive property video 2.3m https://www.youtube.com/watch?v=YaofRRCHQ_Q

Multiply box method 3min https://www.youtube.com/watch?v=zzvIjUT81VU