

7th Grade
Feb 17, 2021

Today we will:

-review HW

-work on task cards
(simplifying
expressions)



HOMEWORK:

Video notes

THQ due TOMORROW

ALEKS assignment:
60 min and 5 topics
due Monday by 11:59pm



Combining Like Terms

Grade 7

7-2 Practice (White-board + You Try)

$$1) \underline{6k} + 4 + \underline{7k} + 6 = \underline{13k + 10}$$

$$2) \underline{12r} + 8 + 12 = \underline{12r + 20}$$

$$3) \underline{n} + 10 + \underline{9n} + 3 = \underline{10n + 7}$$

$$4) 14x - 10x + 2y = \underline{4x + 2y}$$

$$5) r + 4c + \underline{10r} + 9 = \underline{11r + 4c + 9}$$

$$6) \underline{2x} + 11 + \underline{6x} = \underline{8x + 11}$$

$$7) \underline{21r} + 5 + \underline{12r} = \underline{9r - 5}$$

$$8) v + 3vw + 12v = \underline{13v + 3vw}$$

$$9) 18x - 11xy = \underline{18x - 11xy}$$

$$10) 4p + 2 + p = \underline{5p + 2}$$

$$11) 5n + 11n + 4 = \underline{16n + 4}$$

$$12) 7n + 14 - 9 - 5n = \underline{2n + 5}$$

$$13) 12r + 5 + 3r - 5 = \underline{15r}$$

$$14) 5 - 9n + 6 = \underline{-9n + 11 \text{ or } 11 - 9n}$$

$$15) 5n + 4 + 9 = \underline{5n + 13}$$

$$16) 4n - 1n = \underline{3n}$$

$$17) 5(x + y) = \underline{5x + 5y}$$

$$18) 4(3b + 5c) = \underline{12b + 20c}$$

$$19) 7g(2h + 3) = \underline{14gh + 21g}$$

$$20) 2a(6a - 8) = \underline{12a^2 - 16a}$$

$$21) 5e(f + 9) = \underline{5ef + 45e}$$

$$22) 4(gh - 2) = \underline{4gh - 8}$$

$$23) 8(6 - x) = \underline{48 - 8x}$$

$$24) 12(xy + 3) = \underline{12xy + 36}$$

$$25) 5b(b + 4c) = \underline{5b^2 + 20bc}$$

$$26) 4x + 9 + 8x + 6 - 9x - 4 = \underline{3x + 11}$$

$$27) 1p + 2 - 1 - p + 1 + 2p = \underline{2p + 2}$$

$$28) 11f + 6 - f + 4 + 13f - 9 = \underline{23f + 1}$$

$$29) 3(d + 4) + 2 - 2d + 1 - d = \underline{15}$$

$$30) 5 + 9k + 1 - k + 2(7 - k) = \underline{20 + 6k}$$

$$31) 7 + 6g + 1 - 6g = \underline{\quad}$$

$$32) x + 9x + 3 - 8x - 3 = \underline{2x}$$

$$33) 30 + 6(r - 4) + r - 7r = \underline{6}$$

$$34) 5 + 5a - 4 - 2a + 3a = \underline{1 + 6a}$$

$$35) 21 + 8(v + 2) + 3 - 7v = \underline{40 + v}$$

$$36) 7(w - 4) + 3w - 27 = \underline{10w - 55} \quad -28 + -27$$

$$37) 8 + 7(y + 2) = \underline{-7y - 6} \quad -6 + -7y$$

$$38) 18(c + 1) - 16 = \underline{18c + 2}$$

$$39) 12(n - 4) - 3n = \underline{9n - 48}$$

$$40) 5m - 9 + 4m = \underline{9m - 9}$$

$$41) 13c - 7 + c - d = \underline{14c - 7 - d}$$

$$42) 5h + 1h - 4h + 1 - 2h = \underline{1}$$

$$43) 23 + 2(v - 5) + 7v = \underline{13 + 9v}$$

$$44) 5(r + 9) - 5 = \underline{5r + 40}$$

$$45) 6 + 4(u - 1) = \underline{4u + 2}$$

$$11 + (-2)(1x + 7)$$

$$11 + -2x + -14$$

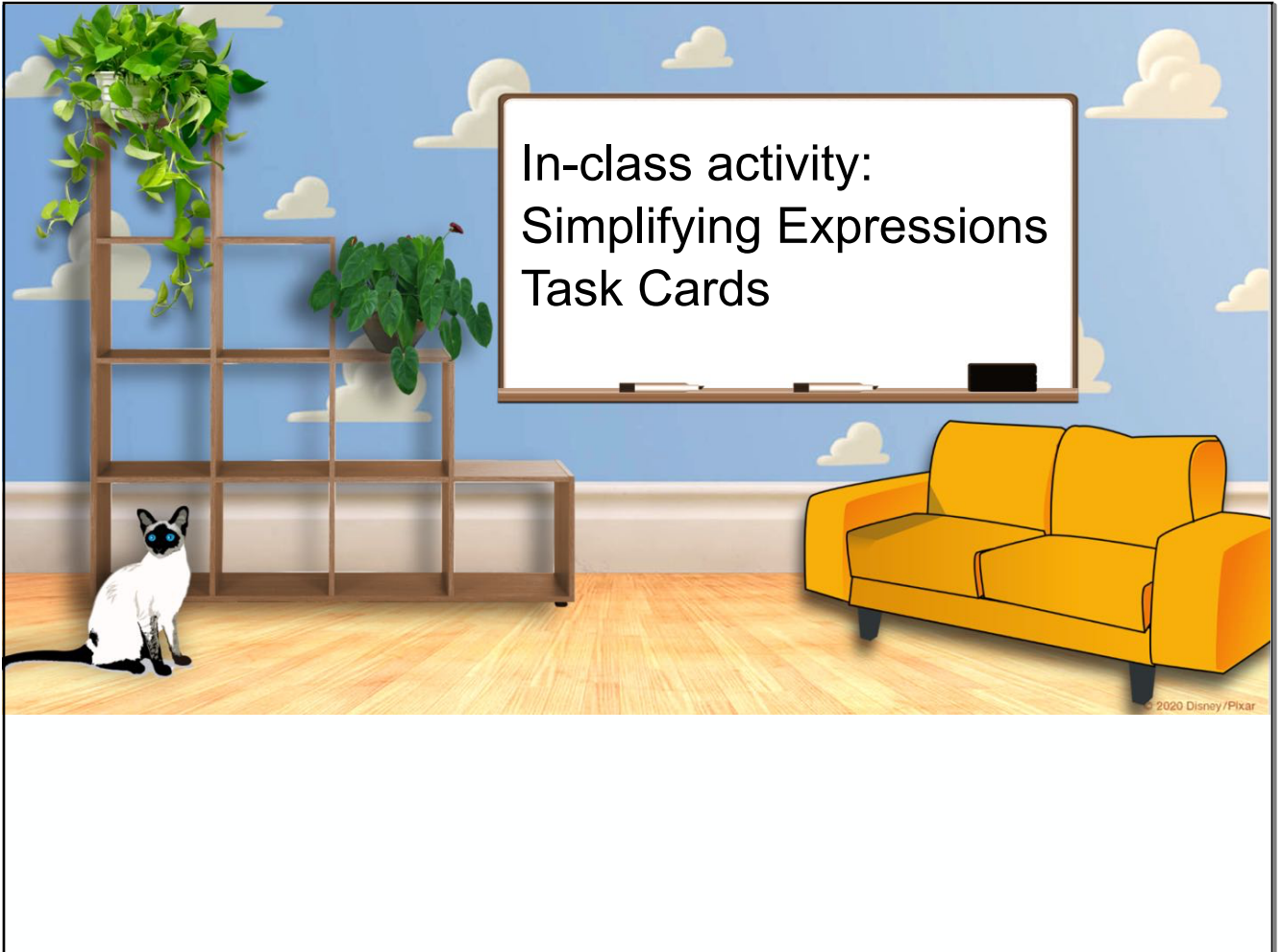
$$-2x + -3$$

$$-2x - 3$$

$$7x + (-3)(4 + -2x)$$

$$7x + -12 + 6x$$

$$13x - 12$$







Name _____

CLASSWORK

Unit ____ Lesson ____ Due Date _____

Simplify the following expressions by using the distributive property and combining like terms. SHOW WORK by using loops to show distribution and using lines, circles, etc to show how you combined like terms. You should be able to write within each box, but you can use a separate sheet if you'd like.

1

$$5(x + 2) + 2x$$

2

$$14y - 5(3 - 2y)$$

3

$$10x - 3(2x + 8)$$

4

$$2x + y + 2x - 5 - y$$

5

$$7(y + 3) - 2y$$

6

$$18 - 7(3 - x)$$

7

$$2x + 3x - 12x$$

8

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

9

$$6x - 3x + 1 - 5x + 2$$

10

$$14x - 5(-2x + 3)$$

11

$$-2x + 3x + 5x + 7x$$

12

$$3(x - y + 5)$$

13

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

14

$$-9x + 17x + -8x$$

15

$$8y + 7x - 2x + 4y$$

16

$$2(x + 4) + 7x$$

17

$$2x - 3 - 5x - 3$$

18

$$x + x + y + x + y + x$$