1.) Ella and Connor are having a discussion about combining two integers, negative four and positive seven. Ella thinks that -4 and 7 are integers. Connor disagrees with Ella. State who is correct and then explain your answer.

Ella is correct because integers are negative and positive whole numbers.

2.) Look at the two solutions below. Who is correct and explain why they are correct?

Dan's work	Sam's work
Combine:	Combine:
6 + (−18)	6 + (−18)
diff. → sub	−12
12	

Sam is correct because you keep the sign of the larger absolute value.

3.) Sophia thinks – 7 – (−5) is the same as – 7 – 5. Is she correct? Explain.

−7 + 5

no, when you subtract integers you are adding the opposite. 1st # stays the same then add the opposite of 2nd #.

Directions: Combine the integers.

4.) 3 + (−7) diff. → subtract −4 7 − 3 = 4	5.) −6 + 4 diff. → subtract −2	6.) 8 – (−3) Rewrite 8 + 3 same → add 11
7.) -12 + (−2) same → add −14	8.) 9 – (+3) Rewrite 9 + (−3) diff → subtract 6	9.) −5 – (−2) Rewrite −5 + 2 diff → subtract −3
10.) 15 + (−12) diff. → subtract 3	11.) 25 + (-10) diff. → subtract 15	12.) −42 + 40 diff. → subtract −2
13.) 28 – (−10) Rewrite 28 + 10 same → add 38	14.) -34 + 12 diff. → subtract −22 34 − 12 = 22	15.) (−12) + (−24) same → add −36 12 + 24 = 36
16.) −18 ÷ (−2) divide same + 9	17.) 32 ÷ (−2) divide diff. − −16	18.) 4(−11) multiply −44 diff. − negative
19.) −54 ÷ −9 divide 6 same + positive	20.) −72 ÷ 8 divide −9 diff −	21.) 24 ÷ (−8) divide −3 diff. −
22.) - 2(−8) mult. 16 same +	23.) 6(−4) mult. −24 diff. −	24.) - 9(−7) mult. 63 same +