Name: _____

1. Complete this addition table.

+	1		3			
	-5					1
		-6			-2	
-9			-6	2		
			15	23		
-5		-13			-9	
	11					17

2. Complete this multiplication table.

×	-4					
		84			-21	
					33	110
			-8			-80
	-8			12		
	-36		-9			
		-60		-30		

3. Fill in the missing numbers.

(a) $8 + \boxed{} = 2$ (b) $-2 + \boxed{} = 6$

(c) $-6 - \boxed{} = 5$ (d) $\boxed{} - 7 = -15$

(e) $-8 + \boxed{} = -1$ (f) $5 - \boxed{} + 2 = 13$

(g) $-9 - \boxed{} = -2$ (h) $-3 + \boxed{} - 4 = -5$

4. Find the following numbers:

(a) 6 more than -8   (b) 4 less than -3

$\boxed{}$ $\boxed{}$

(c) mid way between   (d) 6 more than half
  -5 and 1   of -8

$\boxed{}$ $\boxed{}$

5. Solve the following problems without using a calculator. Remember to use BODMAS.

(a) $3 + \text{-}4 \times \text{-}2$ (b) $\text{-}2 \times \text{-}5 - \text{-}16 \div 2$

$\boxed{}$ $\boxed{}$

(c) $5 - (6 - 8) \times \text{-}3$ (d) $(3 - \text{-}4) \times (\text{-}2 - 5)$

$\boxed{}$ $\boxed{}$

6. Solve the following problems without using a calculator.

(a) $-3.5 - 4.8$ (b) $-4.7 - \text{-}5.8$

$\boxed{}$ $\boxed{}$

7. Use a calculator to solve this problems.

$$\left(\frac{\text{-}81 + 137}{\text{-}96 + 124} \right) - \left(\frac{\text{-}195 + 138}{\text{-}19 \times 3} \right) \quad \boxed{}$$

8. Find the minimum temperature in three towns Alfa, Beeta and Charley given the following information.
The average of the three temperatures was $0°$.
Alfa's temperature was $7°$ colder than Beeta's temperature.
Beeta's temperature was $10°$ colder than Charley's minimum temperature.

Alfa $\boxed{}$ Beeta $\boxed{}$ Charley $\boxed{}$