

Steps of adding and subtracting signed numbers

1- Get rid the parentheses using table of signs

2- If the signs are :

Same family : (+ + / - -) :

1- Add them 2- write their sign

Different families : (+ - / - +) :

1- Subtract them

2- write the sign of the greater number

*In general we have two Rules:

Rule		Example
1) $+(+)$ Two like signs become a positive sign	} 	$3+(+2) = 3 + 2 = 5$
$-(-)$		$6-(-3) = 6 + 3 = 9$
2) $+(-)$ Two unlike signs become a negative sign	} 	$7+(-2) = 7 - 2 = 5$
$-(+)$		$8-(+2) = 8 - 2 = 6$

◆ **Question** : Perform the following operations

a) $(+9) - (-4) =$

= _____

= _____

e) $(15) + (-2) =$

= _____

= _____

b) $(-6) - (+2) =$

= _____

= _____

f) $(-30) + (+70) =$

= _____

= _____