

## Add/Subtract Integers

$$1. 7 + (-2) = \underline{5}$$
$$= 7 - 2$$

$$2. -8 + 16 = \underline{8}$$
$$=$$

$$3. 20 - 13 = \underline{7}$$

$$4. -8 + (-2) = \underline{-10}$$
$$= -8 - 2$$

$$5. 12 - 18 = \underline{-6}$$

$$6. (-7) + (-7) = \underline{-14}$$
$$= -7 - 7$$

$$7. -2 - 7 = \underline{-9}$$

$$8. 0 + (-36) = \underline{-36}$$
$$= 0 - 36$$

$$9. 29 - 33 = \underline{-4}$$

$$10. 17 - (-6) = \underline{23}$$
$$= 17 + 6$$

$$11. -4 + (-8) + 15 = \underline{3}$$
$$= -4 - 8 + 15 = -12 + 15 = 3$$

$$12. -3 - (-2) = \underline{-1}$$
$$= -3 + 2$$

$$13. -5 + (-12) + 23 = \underline{6}$$
$$= -5 - 12 + 23$$

$$14. -4 - 6 = \underline{-10}$$

$$15. (-12) - (-18) = \underline{6}$$
$$= -12 + 18$$

$$16. -5 - (-5) = \underline{0}$$
$$= -5 + 5$$

$$17. -(11 - 4) = \underline{-7}$$
$$= -(7)$$

$$18. 8 - 6 + 1 - 7 = \underline{-4}$$
$$= 2 + 1 - 7 = 3 - 7 = -4$$

$$19. -7 + 24 - 5 = \underline{12}$$
$$= 17 - 5$$

$$20. 8 - (2 + 7) = \underline{-1}$$
$$= 8 - (9)$$

$$21. 6 - (3 - 7) = \underline{10}$$
$$= 6 - (-4) = 6 + 4$$

$$22. 6 - (-7) = 13$$

$$23. 9 + (-11) = -2$$

$$24. -4 + \underline{12} = 8$$

$$25. -3 - \underline{6} = -9$$

For each of these statements, tell whether the answer will be definitely positive, negative or dependent (on the size of the numbers). Give 2 examples to support your answer for each question.

26. A positive plus a positive =  $\oplus$  ?

$$2 + (+3) = 5$$

$$1 + (+3) = 4$$

27. A positive minus a positive = depends ?

$$5 - (+2) = 3$$

$$5 - (+8) = -3$$

28. A positive plus a negative = depends ?

$$5 + (-7) = -2$$

$$5 + (-3) = 2$$

29. A positive minus a negative =  $\oplus$  ?

$$6 - (-2) = 6 + 2 = 8$$

$$1 - (-4) = 1 + 4 = 5$$

30. A negative plus a positive = depends ?

$$-3 + (+1) = -2$$

$$-3 + (+8) = 5$$

31. A negative plus a negative =  $\ominus$  ?

$$-3 + (-7) = -3 - 7 = -10$$

$$-1 + (-2) = -1 - 2 = -3$$

32. A negative minus a positive =  $\ominus$  ?

$$-5 - (+3) = -5 - 3 = -8$$

$$-5 - (+6) = -5 - 6 = -11$$

33. A negative minus a negative = depends ?

$$-3 - (-2) = -3 + 2 = -1$$

$$-8 - (-10) = -8 + 10 = 2$$

34. Explain what you are thinking to do a question such as  $-8 + 3$

I owe \$8, pay back \$3. Still owe \$5  
or -5

35. Explain what you are thinking to do a question such as  $-8 - 3$

I borrow \$8 and then borrow another \$3 so in total I owe \$11 or -11

36. Explain what you are thinking to do a question such as  $-8 - (-3)$

change -- into  $\oplus$ :  $-8 + 3 = -5$   
(same as #34)