

Ch 2.2 Subtracting Real Numbers

Rules: 1. Circle the number and the sign(s) in front of it.

2. Then use addition rules.

a) **Same sign ADD** keep the sign.

b) **Different sign SUBTRACT**
number furthest from zero
determines the sign.

Ex1a) $-6 - 3$

Ex1b) $5 - 9$

Ex1c) $-15 - (-6)$

Oct 22-8:15 AM

Try these problems

Grade: «grade»

Subject: «subject»

Date: «date»

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① $10 - 11$

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② $-4 - 9$

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③ $11 - (-10)$

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Ex2) Evaluate each expression.

$$x = 3, y = -4, \text{ and } z = 6$$

***Do the numbers with the same sign first then subtract last.**

Ex2a) $x - z + y$

Ex2b) $2x - z - y$

Ex2c) $|-x + 5| - y$

Ex2d) $|x - y| - |z|$

Oct 22-8:25 AM

① Evaluate. $a = -2$, $b = 3.5$ and $c = -4$
 $-c - b + a$

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Evaluate each expression for $a = -2$, $b = -3.5$,
and $c = -4$.

② $a - |c - b|$

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$$\text{Ex3a)} \begin{bmatrix} 4 & -3 \\ 3 & 0 \end{bmatrix} - \begin{bmatrix} 0 & 3 \\ -1 & 2 \end{bmatrix}$$

$$\text{Ex3b)} \begin{bmatrix} 9 & -2 & 5 \\ -5 & 4 & -8 \end{bmatrix} - \begin{bmatrix} -1 & 2 & -4 \\ 6 & 9 & -2 \end{bmatrix}$$

$$\text{Try: } \begin{bmatrix} 7 & -8 \\ -2 & -5 \\ 1 & 3 \end{bmatrix} - \begin{bmatrix} -1 & 10 \\ 3 & -7 \\ 0 & -3 \end{bmatrix}$$

Sep 8-2:24 PM