

Name:

Week10.Lesson2-AbsoluteValueStandardOrder

Date:

(1) $9 = | - 3x |$

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

(3) $| 12 - 4x | = 20$

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$$(4) \ 3 = 3|16 + x|$$

$$(5) \ 17 - 1|11 + x| = 13$$

$$(6) \ -18 + 7|-18 - x| = 3$$

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(7) $3|x - 6| = 3$

(8) $|-8x| = 16$

(9) $|-x| = 5$

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$$(10) -4| -x - 20| + 8 = 4$$

$$(11) 2|x - 16| = 10$$

$$(12) |x + 1| = 15$$

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(13) $|2x + 5| = 9$

(14) $17|x - 6| = 17$

(15) $-1|-x + 14| + 6 = 5$

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(16) $15|x + 15| = 15$

(17) $|-4x| = 4$

(18) $2|-x + 10| - 7 = 17$

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(19) $5|x - 14| = 5$

(20) $7|x - 2| + 2 = 9$

(21) $11|-x + 16| + 4 = 15$

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$$(22) |19x| = 19$$

$$(23) |-7x - 14| = 7$$

$$(24) 2|x - 11| - 1 = 3$$

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(25) $5|x + 5| + 1 = 6$

(26) $17|x + 14| = 17$

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Version 1 Answer Key!

(1) $x=-3$, $x=3$

(2) $x=8$, $x=-2$

(3) $x=-2$, 8

(4) $x=-15$, $x=-17$

(5) $x=-7$, $x=-15$

(6) $x=-21$, $x=-15$

(7) $x=7$, $x=5$

(8) $x=-2$, $x=2$

(9) $x=-5$, $x=5$

(10) $x=-21$, $x=-19$

(11) $x=21$, $x=11$

(12) $x=14$, $x=-16$

(13) $x=2$, -7

(14) $x=7$, $x=5$

(15) $x=13$, $x=15$

(16) $x=-14$, $x=-16$

(17) $x=-1$, $x=1$

(18) $x=-2$, $x=22$

(19) $x=15$, $x=13$

(20) $x=3$, $x=1$

(21) $x=15$, $x=17$

(22) $x=1$, $x=-1$

(23) $x=-3$, -1

(24) $x=13$, $x=9$

(25) $x=-4$, $x=-6$

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(26) $x=-13$, $x=-15$