

7.3 Absolute Value Equations

* To solve an absolute value equation, you must consider both parts of the equivalent function and verify your solution

Ex. Solve $|x - 5| = 7$

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Ex. Solve $|2x - 5| = 5 - 3x$

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Ex. Solve $|2x - 5| + 7 = 3$

Ex. $|x^2 - 7x + 12| = 2$

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* An expression such as $|x - d|$ represents the distance between x and d . However, solving $|x - 5| = 3$ tells us the numbers which are 3 units from 5... (2 and 8)

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