OBJECTIVE 4–a: To solve equations when one side is in factored form and the other side is 0.

Moving Words

Solve each equation in the top block and find the solution set in the bottom block. Transfer the word from the top box to the corresponding bottom box. Keep working and you will get a moving fact.

$(x+3)(x+8)=0$ ① WHY	$(x-12)(x+5)=0$ ⑥ THAT	$(x-10)(4x-3)=0$ ⑪ ONLY	$x(4x+7)=0$ ⑯ ROBBERS
$(x+4)(x+11)=0$ ② THE	$x(x-9)=0$ ⑦ TO	$(3x+2)(3x-2)=0$ ⑫ BANK	$x(2x+1)(x-6)=0$ ⑰ PLACE
$(x-5)(x-2)=0$ ③ IS	$x(x+14)(x-1)=0$ ⑧ THEY	$(9x-2)(5x+1)=0$ ⑬ BECAUSE	$2x(4x-8)(x+1)=0$ ⑱ CANADA
$(x-1)(x-6)=0$ ④ HAVE	$(2x-1)(x+4)=0$ ⑨ IS	$(2x+2)(7x+6)=0$ ⑭ ESCAPED	$7x(3x+5)(5x+2)=0$ ⑲ TORONTO
$(x+3)(x-7)=0$ ⑤ ALWAYS	$(x-2)(3x+1)=0$ ⑩ THE	$(2x-5)(3x+1)=0$ ⑮ REASON	$(x-9)(x+1)(x-1)=0$ ⑳ RUN

$\left\{2, -\frac{1}{3}\right\}$	$\left\{\frac{5}{2}, -\frac{1}{3}\right\}$	$\{-3, -8\}$	$\left\{-1, -\frac{6}{7}\right\}$	$\left\{-\frac{2}{3}, \frac{2}{3}\right\}$
$\left\{0, -\frac{7}{4}\right\}$	$\{-3, 7\}$	$\{9, -1, 1\}$	$\{0, 9\}$	$\{0, 2, -1\}$
$\{5, 2\}$	$\left\{\frac{2}{9}, -\frac{1}{5}\right\}$	$\{12, -5\}$	$\left\{\frac{1}{2}, -4\right\}$	$\{-4, -11\}$
$\left\{10, \frac{3}{4}\right\}$	$\left\{0, -\frac{1}{2}, 6\right\}$	$\{0, -14, 1\}$	$\{1, 6\}$	$\left\{0, -\frac{5}{3}, -\frac{2}{5}\right\}$

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