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Algebra — Hard (20 Questions) — Answer Key

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/ 20

Solve each equation for x.

1

2

3

4

5

Solve: $x + 100 = 185$, $x = \underline{\hspace{2cm}}$

Solve: $x - 82 = -33$, $x = \underline{\hspace{2cm}}$

Solve: $6x = 474$, $x = \underline{\hspace{2cm}}$

Solve: $x - 53 = -14$, $x = \underline{\hspace{2cm}}$

Solve: $9x = 720$, $x = \underline{\hspace{2cm}}$

6

7

8

9

10

Solve: $7x = 574$, $x = \underline{\hspace{2cm}}$

Solve: $6x = 6$,
 $x = \underline{\hspace{2cm}}$

Solve: $x - 7 = 48$, $x = \underline{\hspace{2cm}}$

Solve: $x - 55 = -38$, $x = \underline{\hspace{2cm}}$

Solve: $x + 67 = 109$, $x = \underline{\hspace{2cm}}$

11

12

13

14

15

$8 + 7 \times 22 =$
 $\underline{\hspace{2cm}}$

$50 + 3 \times 29 =$
 $\underline{\hspace{2cm}}$

$13 + 6 \times 29 =$
 $\underline{\hspace{2cm}}$

$34 \times 9 - 26 =$
 $\underline{\hspace{2cm}}$

$6 \times 9 - 23 =$
 $\underline{\hspace{2cm}}$

16

17

18

19

20

$27 \times 7 - 21 =$
 $\underline{\hspace{2cm}}$

$16 \times 8 - 8 =$
 $\underline{\hspace{2cm}}$

$18 + 4 \times 49 =$
 $\underline{\hspace{2cm}}$

$14 \times 8 - 17 =$
 $\underline{\hspace{2cm}}$

$11 \times 5 - 47 =$
 $\underline{\hspace{2cm}}$

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Answer
key



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ANSWER KEY — Algebra — Hard (20 Questions) — Answer Key

Answer Key

Solve each equation for x.

1

Solve: $x + 100 = 185$, $x = \underline{\quad}$
85

2

Solve: $x - 82 = -33$, $x = \underline{\quad}$
49

3

Solve: $6x = 474$, $x = \underline{\quad}$
79

4

Solve: $x - 53 = -14$, $x = \underline{\quad}$
39

5

Solve: $9x = 720$, $x = \underline{\quad}$
80

6

Solve: $7x = 574$, $x = \underline{\quad}$
82

7

Solve: $6x = 6$, $x = \underline{\quad}$
1

8

Solve: $x - 7 = 48$, $x = \underline{\quad}$
55

9

Solve: $x - 55 = -38$, $x = \underline{\quad}$
17

10

Solve: $x + 67 = 109$, $x = \underline{\quad}$
42

11

$8 + 7 \times 22 = \underline{\quad}$
162

12

$50 + 3 \times 29 = \underline{\quad}$
137

13

$13 + 6 \times 29 = \underline{\quad}$
187

14

$34 \times 9 - 26 = \underline{\quad}$
280

15

$6 \times 9 - 23 = \underline{\quad}$
31

16

$27 \times 7 - 21 = \underline{\quad}$
168

17

$16 \times 8 - 8 = \underline{\quad}$
120

18

$18 + 4 \times 49 = \underline{\quad}$
214

19

$14 \times 8 - 17 = \underline{\quad}$
95

20

$11 \times 5 - 47 = \underline{\quad}$
8



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