

## Solving equations matching task

$\frac{12}{x+1} = x$
$12 - 3x = 6$
$2^x = 32$
$3x - 5 = 7$

$x = 2$
$x = 3$
$x = 4$
$x = 5$

$x + y = 3$ $2x + y = 5$
$x + y = 3$ $x + 2y = 5$
$x + y = 4$ $3x - y = 8$
$x + y = 4$ $x + 2y = 7$

$x = 1$ $y = 2$
$x = 1$ $y = 3$
$x = 2$ $y = 1$
$x = 3$ $y = 1$

✂

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$x = 1$ $y = 3$
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## Solving equations matching task

$12 - x = 2x - 9$	$x = 2$	$3x + y = 6$ $2x + 3y = 11$	$x = 1$ $y = 2$
$\frac{36}{x+1} = 11 - x$	$x = 3$	$3x + 2y = 7$ $5x + y = 7$	$x = 1$ $y = 3$
$3^x + x^3 = 17$	$x = 4$	$2x + 3y = 7$ $3x + 2y = 8$	$x = 1$ $y = 4$
$4^x - 20 = 44$	$x = 5$	$2x + 5y = 11$ $3x - y = 8$	$x = 2$ $y = 1$
$7x - 5 = 23$	$x = 6$	$6x - y = 2$ $2x + 2y = 10$	$x = 3$ $y = 1$
$x^2 - 20 = 16$	$x = 7$	$6x - 4y = 14$ $4x + 2y = 14$	$x = 4$ $y = 1$

✕

$12 - x = 2x - 9$	$x = 2$	$3x + y = 6$ $2x + 3y = 11$	$x = 1$ $y = 2$
$\frac{36}{x+1} = 11 - x$	$x = 3$	$3x + 2y = 7$ $5x + y = 7$	$x = 1$ $y = 3$
$3^x + x^3 = 17$	$x = 4$	$2x + 3y = 7$ $3x + 2y = 8$	$x = 1$ $y = 4$
$4^x - 20 = 44$	$x = 5$	$2x + 5y = 11$ $3x - y = 8$	$x = 2$ $y = 1$
$7x - 5 = 23$	$x = 6$	$6x - y = 2$ $2x + 2y = 10$	$x = 3$ $y = 1$
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✕

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$\frac{36}{x+1} = 11 - x$	$x = 3$	$3x + 2y = 7$ $5x + y = 7$	$x = 1$ $y = 3$
$3^x + x^3 = 17$	$x = 4$	$2x + 3y = 7$ $3x + 2y = 8$	$x = 1$ $y = 4$
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$x^2 - 20 = 16$	$x = 7$	$6x - 4y = 14$ $4x + 2y = 14$	$x = 4$ $y = 1$

Answers

$\frac{12}{x+1} = x$	a
$12 - 3x = 6$	b
$2^x = 32$	c
$3x - 5 = 7$	d

b	$x = 2$
a	$x = 3$
d	$x = 4$
c	$x = 5$

$x + y = 3$ $2x + y = 5$	a
$x + y = 3$ $x + 2y = 5$	b
$x + y = 4$ $3x - y = 8$	c
$x + y = 4$ $x + 2y = 7$	d

b	$x = 1$ $y = 2$
d	$x = 1$ $y = 3$
a	$x = 2$ $y = 1$
c	$x = 3$ $y = 1$

$12 - x = 2x - 9$	a
$\frac{36}{x+1} = 11 - x$	b
$3^x + x^3 = 17$	c
$4^x - 20 = 44$	d
$7x - 5 = 23$	e
$x^2 - 20 = 16$	f

c	$x = 2$
d	$x = 3$
e	$x = 4$
b	$x = 5$
f	$x = 6$
a	$x = 7$

$3x + y = 6$ $2x + 3y = 11$	a
$3x + 2y = 7$ $5x + y = 7$	b
$2x + 3y = 7$ $3x + 2y = 8$	c
$2x + 5y = 11$ $3x - y = 8$	d
$6x - y = 2$ $2x + 2y = 10$	e
$6x - 4y = 14$ $4x + 2y = 14$	f

b	$x = 1$ $y = 2$
a	$x = 1$ $y = 3$
e	$x = 1$ $y = 4$
c	$x = 2$ $y = 1$
d/f	$x = 3$ $y = 1$
?	$x = 4$ $y = 1$