



Solve the following.

a) If  $a + c = 36$ , and  $a + c + e = 42$        $e =$

b) If  $5 \times y = 35$ , and  $z - y = 3$        $z =$

c) If  $c + d = 10$ , and  $c + d + e = 16$        $e =$

d) If  $a + 6 = 13$ , and  $a + b + 9 = 21$        $a =$         $b =$

e) If  $8 \times y = 64$ , and  $z - y = 4$        $z \times y =$

f) If  $4 + f = 8$ , and  $4 + f + g = 12$        $f =$         $g =$





1

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Solve each equation for the variable given.

a)  $11a = 143$

$a =$

b)  $9b = 198$

$b =$

c)  $9c + 12 = 39$

$c =$

d)  $-4d - 9 = -45$

$d =$

e)  $7e \div 5 = 14$

$e =$

f)  $3f \times 6 = 72$

$f =$

1 2 3 4 5 6 7 8 9 0

Reset



Notice the variable "x" is raised to the first power. This means the equation is **Linear**. If the variable "x" was raised to a power greater than one, for instance "x<sup>2</sup>", then the equation would not be linear.

$$2x + 4 = 8$$

$$x = 2$$



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