

Rearrange & Evaluate

$$1) \quad \frac{1}{\sqrt[3]{n-1}} = \sqrt[3]{\frac{2z+3}{4z}}$$

i) Rearrange the equation to make z the subject. _____

ii) Find the value of z , if $n = 2$. _____

$$2) \quad -\frac{a-10b}{p} = -7a + \frac{6q}{p}$$

i) Rearrange the equation to make a the subject. _____

ii) Find the value of a , if $b = 2$ and $q = 3$. _____

$$3) \quad 5x - 3y = -4v + 2w$$

i) Rearrange the equation to make x the subject. _____

ii) Find the value of x , if $y = 1$, $v = 2$ and $w = 3$. _____

$$4) \quad \sqrt{w+km} = u - v$$

i) Rearrange the equation to make w the subject. _____

ii) Find the value of w , if $k = 4$, $m = 9$, $u = 5$ and $v = 2$. _____

$$5) \quad \frac{2}{9} = \frac{g-h}{c}$$

i) Rearrange the equation to make c the subject. _____

ii) Find the value of c , if $g = 11$ and $h = 7$. _____

$$6) \quad \frac{4(2s+1)}{5} = \frac{3t}{4}$$

i) Rearrange the equation to make s the subject. _____

ii) Find the value of s , if $t = -\frac{4}{5}$. _____

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