Graphing skills questions

Question 1

Equation: $a = \delta\Omega + A$

a is a variable

δ is a variable

Ω is a constant

A is a constant

How do you find the constants?

Question 2

Equation: $d^3 = \Theta\beta^2 + X$

d is a variable

Θ is a constant

β is a variable

X is a constant

How do you find the constants?

Question 3

Equation: $D = \beta\Delta + y$

D is a constant
β is a variable
Δ is a constant
y is a variable

How do you find the constants?

Question 4

Equation: $\Theta = y \sin(a) + \Lambda$

Θ is a constant
y is a variable
a is a variable
Λ is a constant

How do you find the constants?

Question 5

Equation: $\alpha = \theta \cos(A) + \Delta$

α is a variable
θ is a variable
A is a constant
Δ is a constant

How do you find the constants?

Question 6

Equation: $Z = xe^{(\beta Y)}$

Z is a constant
x is a variable
β is a variable
Y is a constant

How do you find the constants?

Question 7

Equation: $\Theta = yD^{\lambda}$

Θ is a constant

y is a variable

D is a constant

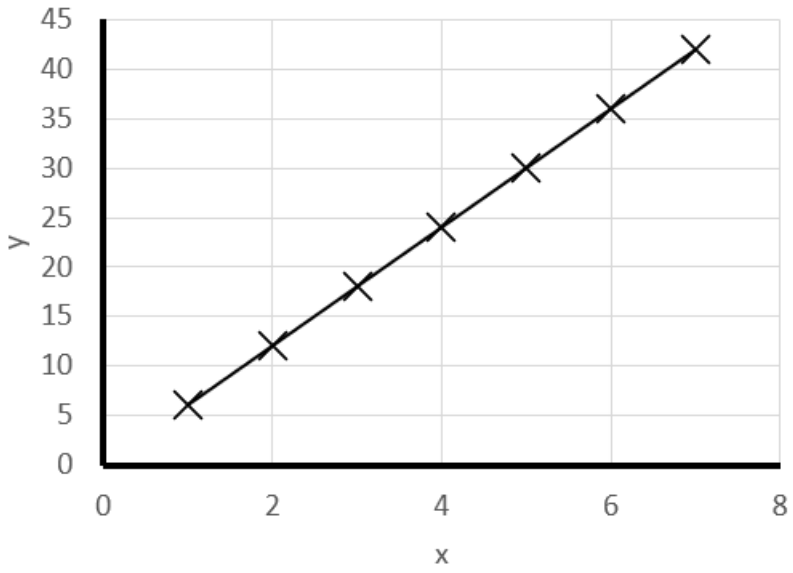
λ is a variable

How do you find the constants?

Question 8

Data:

x	y
1	6
2	12
3	18
4	24
5	30
6	36
7	42

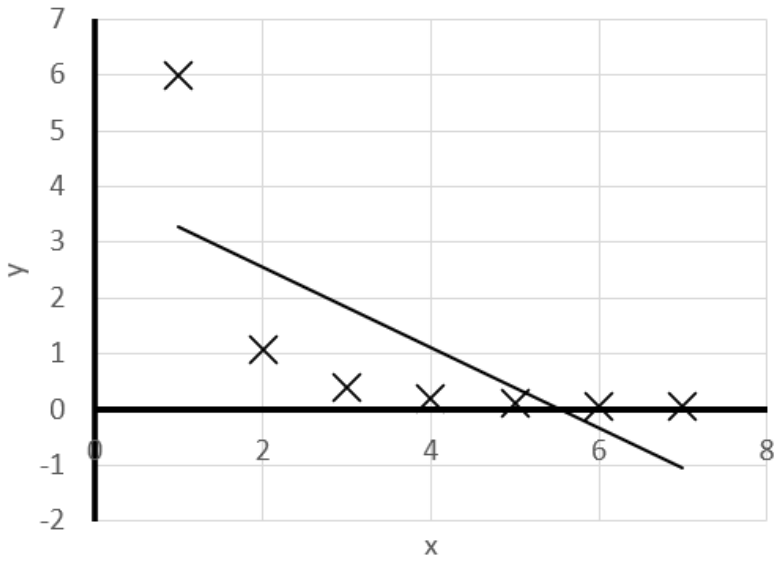


1. What should you plot on the x-axis?
2. What should you plot on the y-axis?
3. In what form will be your equation?
4. What are the constants?

Question 9

Data:

x	y
1	6
2	1.060660172
3	0.384900179
4	0.1875
5	0.107331263
6	0.068041382
7	0.046281364

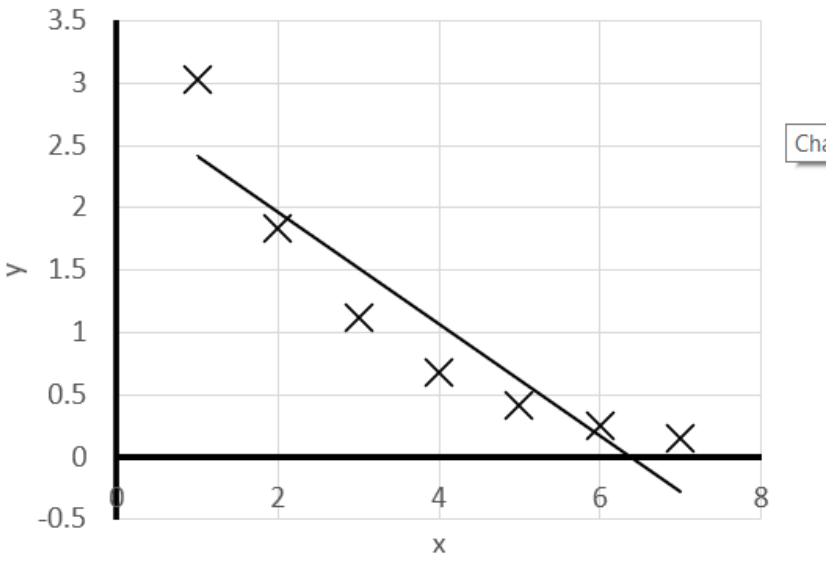


1. What should you plot on the x-axis?
2. What should you plot on the y-axis?
3. In what form will be your equation?
4. What are the constants?

Question 10

Data:

x	y
1	3.032653299
2	1.839397206
3	1.115650801
4	0.676676416
5	0.410424993
6	0.248935342
7	0.150986917

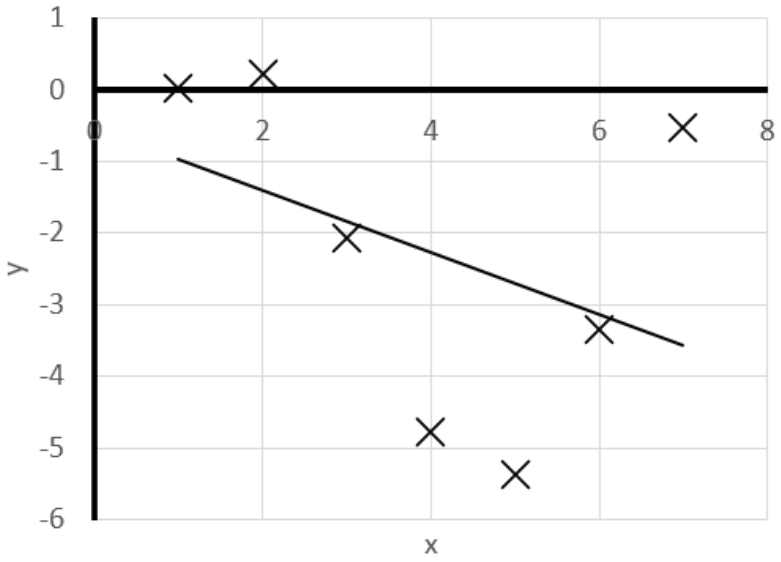


1. What should you plot on the x-axis?
2. What should you plot on the y-axis?
3. In what form will be your equation?
4. What are the constants?

Question 11

Data:

x	y
1	0.024412954
2	0.22789228
3	-2.07663998
4	-4.77040749
5	-5.37677282
6	-3.33824649
7	-0.5290402

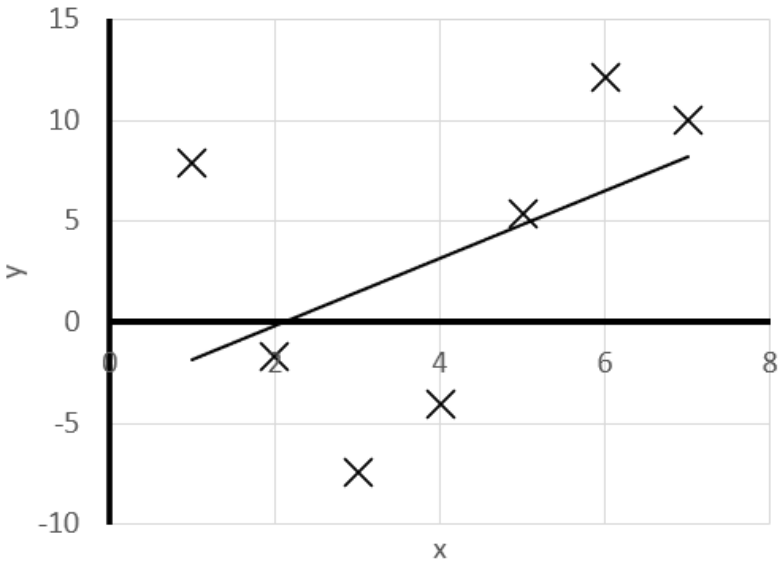


1. What should you plot on the x-axis?
2. What should you plot on the y-axis?
3. In what form will be your equation?
4. What are the constants?

Question 12

Data:

x	y
1	7.903023059
2	-1.66146837
3	-7.39992497
4	-4.03643621
5	5.336621855
6	12.10170287
7	10.03902254



1. What should you plot on the x-axis?
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