| р | 040 | q8 | | | | | | | | | | |
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| 8. | | | nction y = | - | | | | | | | | |
| | , | | he form <i>y</i> esult from | | - | | | | | | | |
| | | nsforma | | | | | | | | | | |
| (a) a vertical stretch about the x-axis by a factor of 3, a reflection in the x-axis, | | | | | | | | | | | | |
| | | | tal transla | | | | | | | | | |
| | | | nd a verti | cal tran | slation o | f | | | | | | |
| | /\ | inits do porizont | wn al stretch | about t | the v-axis | s by | | | | | | |
| | | | $\frac{1}{3}$, a vert | | | | | | | | | |
| | the | x-axis | by a facto | or of $\frac{3}{4}$, | a reflect | ion | | | | | | |
| | | | e <i>x</i> -axis a | | | | | | | | | |
| | | inits up | on of 6 u | nts to t | ne right a | and | | | | | | |
| | | | | | | | | | | | | |
| 6 |) | \/ | str. b | h a | Cacto | r of 3 a=3 is is | 3 LH | 7 tho | COPS | scient | a. | |
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| | | | | | | ation, | | | | | | |
| | | 4 | he p | aran | wher | h, | d ! | h me | ist 6 | e re | gative | - |
| | | | so the | the | mou | e is | to H | e le | ft. | | | |
| | | | | | /h= | -4/ | | | | | | |
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| | | | mean | < : | 1/ - | -5 | whe | 2n J | 1 1 | on th | e rig | lit |
| | | | ,, | | Pil | e so: | | | . 3 | | | |
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$$y = un + (-5)$$

$$k = un + (-5$$

| $\frac{1}{3}$ \leftarrow 61c the |
|--|
| function definition |
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| and the mapping nave |
| and the mapping have reiprocal factors, and the |
| H. Streth faller is always taken |
| from the mapping rather than the fundion definition. |
| Lundion decinition. |
| |
| 1-1-3-2 |
| $6 = 1 \times \frac{3}{1} = 3$ |
| |
| 6 = 3 |
| |
| V. str. by a factor of $\frac{3}{4}$ is the same as the coefficient a. |
| coefficient a |
| $a = \frac{3}{4}$ |
| 7 7 7 |
| Prod time in 1 14 11 f V. mane that |
| Cepte chans in both # 4 01 means man |
| Reflections in both # & V. means that both the wefficient a and 6 must |
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