

MPS22-HOMEWORK-2

160: 1,3,6,7,8,10

161:17,35

148:2,39

149:61

Select the correct number that corresponds to the right answer. There are more answers than questions. The answers may be repeated.

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| 1. Function | 11. [-3,6] |
| 2. Not a Function | 12. Concave up approximately $[-\infty, -0.6]$
and $[0.6, \infty]$. Concave down
approximately $(-0.6, 0.6)$. Inflection
approximately $(-0.6, 0.6)$ and $(0.6, 0.6)$ |
| 3. Constant on $(-\infty, -1)$ and $[1, \infty)$ and
decreasing on $(-1, 1)$ | 13. Input: length of feet; Output: Shoe size
and the rule: A chart with shoe size
assign to foot length |
| 4. 6 | 14. -5, -3.4, -7.6, -5.566, all real numbers |
| 5. [-7,8] | 15. $-2x-h+1$ |
| 6. (-7,8] | |
| 7. 7 | |
| 8. [-6,9] | |
| 9. (-6,9) | |
| 10. Concave up approximately $(-\infty, -0.6)$
and $(0.6, \infty)$. Concave down
approximately $(-0.6, 0.6)$. Inflection
approximately $(-0.6, -0.6)$ and $(0.6, -0.6)$ | |