

MPS22-HOMEWORK-1

148:1,5,7,13,16,40,41,53

149:59,60

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. Y is not a function of x | 14. All real numbers except -2 and 3 |
| 2. Y is a function of x | 15. 0,5.76,0.69,-0.920,all real numbers less
or equal to 20 |
| 3. 2 | 16. 5,4.8,2.7,3.717,all real numbers x, such
that $-3 < x \leq 5$ |
| 4. 1.69 | 17. The set of inputs is the number of hours
your work in each pay period. The set of
outputs is the amounts of your
paychecks. The function rule is the
amount of pay for each hour worked
multiplied by the number of hours
worked. |
| 5. 2.73 | 18. 2.43 |
| 6. $\sqrt{\sqrt{2} + 2} - x + 1$ | |
| 7. $2x + h$ | |
| 8. $3x^2 + 3xh + h^2$ | |
| 9. $\frac{1}{\sqrt{x+h}}$ | |
| 10. $\frac{1}{\sqrt{x+h} + \sqrt{x}}$ | |
| 11. All real numbers | |
| 12. All real numbers except -2 | |
| 13. All real numbers except 3 | |