Homework# _______
increasing, decreasing, constant intervals

Name KEY Period _____

State the following intervals:

1. **INCREASING**
   
   \((-4, -2); (0, 4)\)

2. **DECREASING**
   
   \((-2, 0)\)

3. **CONSTANT**
   
   none

4. \(f(-2) = 3\)
5. \(f(2) = -2\)
6. \(f(0) = -3\)
7. \(f(x) = 0 \quad -1\)
8. \(f(x) = 3 \quad -2\)
9. \(f(-3) = 2\)

10. Domain \([-4, 4]\) Range \([-3, 3]\)

State the following intervals:

11. **INCREASING**
    
    \((-4, -2)\)

12. **DECREASING**
    
    \((1, 4)\)

13. **CONSTANT**
    
    \((-2, 1)\), \((4, 6)\)

14. \(f(-4) = -4\)
15. absolute minimum \(-4\)
16. \(f(0) = 4\)
17. circle the point(s) on the graph where \(f(x) = 1\) graph!
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Name_____  Key  Period_____

State the following intervals:

INCREASING
(-4, -2) (2, 4)

DECREASING
(-6, -4), (-2, 2) (4, 6)

CONSTANT
none

DOMAIN
[-6, 6]

RANGE
[-2, 2]


State the following intervals:

INCREASING
(-3, -1)

DECREASING
(-1, 4)

CONSTANT
none

DOMAIN
[-3, 4]

RANGE
[-3, 2]