

$a < b$  :  $a + c < b + c$  ,  $a - c < b - c$  ,  
 $a > b$  :  $a + c > b + c$  ,  $a - c > b - c$  ,  
 $a = b$  :  $a + c = b + c$  ,  $a - c = b - c$  ,  
 (  $a < b$  ),  $a + c < b + c$  ,  $a - c < b - c$  ,  
 $a > b$  ,  $a + c > b + c$  ,  $a - c > b - c$  ,  
 $a = b$  :  $a + c = b + c$  ,  $a - c = b - c$  .  
 )  $a < b$  ,  $b - a > 0$  ,  
 $a < b$  :  $a + c < b + c$  ,  $a - c < b - c$  ,  
 $a > b$  :  $a + c > b + c$  ,  $a - c > b - c$  ,  
 $a = b$  :  $a + c = b + c$  ,  $a - c = b - c$  .  
 )  $a < b$  ,  $b - a > 0$  ,  $a \leq b$  ,  
 $b \geq a$  .  
 (  $a \leq b$  ) :  $a + c \leq b + c$  ,  $a - c \leq b - c$  .

1.  $a \leq a$  .
2.  $a \leq b$  ,  $b \leq a$  ,  $a = b$  .
3.  $a \leq b$  ,  $b \leq c$  ,  $a \leq c$  .
4.  $a \leq b$  ,  $c > 0$  ,  $a + c \leq b + c$  .
5.  $a \leq b$  ,  $c > 0$  ,  $ac \leq bc$  .
6.  $a \leq b$  ,  $c < 0$  ,  $ac \geq bc$  .
7.  $a \leq b$  ,  $c \leq d$  ,  $a + c \leq b + d$  .
8. )  $a, b, c, d$   
 $a \leq b$  ,  $c \leq d$  ,  $ac \leq bd$  .  
 )  $a, b, c, d$  ,  $ac = bd$  ,  $a \leq b$  ,  
 $c \geq d$  .
9.  $0 < a \leq b$  ,  $\frac{1}{a} \geq \frac{1}{b}$  .

10.  $0 < a \leq b$  ,  $n$  ,  $0 < a^n \leq b^n$  .

3) 10)

1.

?

$r, c, z$  ,  $s$  .

$c < r, r < z$  ,  $z < s$  .

3

$c < r < z < s$  ,

2.

$a, g, i, k, t$

$a < g < t$  ,  $k < i < g$  .

3.

$v, m, l, j$  ,  $e$

$l < m, j < v, m < j$  ,  $e < v$  .

$$l < m < j < v$$

$$e < v,$$

4.

$$m, f, j, v$$

$$m > f, j > v, j < f.$$

$$v < j < f < m,$$

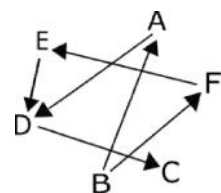
d

5.

$$a, b, c, d, e, f$$

A, B, C, D, E, F,

$$c < d < a < b \quad c < d < e < f < b.$$



6.

$$m, k, a, n, d$$

$$k < n < m, m < d < a.$$

$$k < n < m < d < a,$$

**7.**

$$17 \quad , \quad 15 \quad , \quad 14$$

$$12 \quad ?$$

$$a, b, d, i$$

$$12, 14, 15 \quad 17 \quad 12 < 14 < 15 < 17,$$

$$b < a < i < d.$$

**8.**

$$a, b, d, k, t$$

$$b + 2 = k, \quad d = k + 2, \quad b = a \quad t = a + 3.$$

$$, \quad b = a, \quad k = a + 2, \quad t = a + 3 \quad d = k + 2 = a + 4,$$

$$b = a < k < t < d.$$