

**MRS21-HW-18**

**466/1, 3, 7**

**467/ 12b, 14**

**462/4C**

**457/1**

**454/32, 38**

**441/10a**

**409/11, 12**

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

**1) (1)**

**2) (2)**

**3) (3)**

**4) (4)**

**5) (5)**

**6) (6)**

**7) (7)**

**8) (8)**

**9) 1**

**10) 2**

**11) Yes**

12) No

13) Defined

14) Undefined

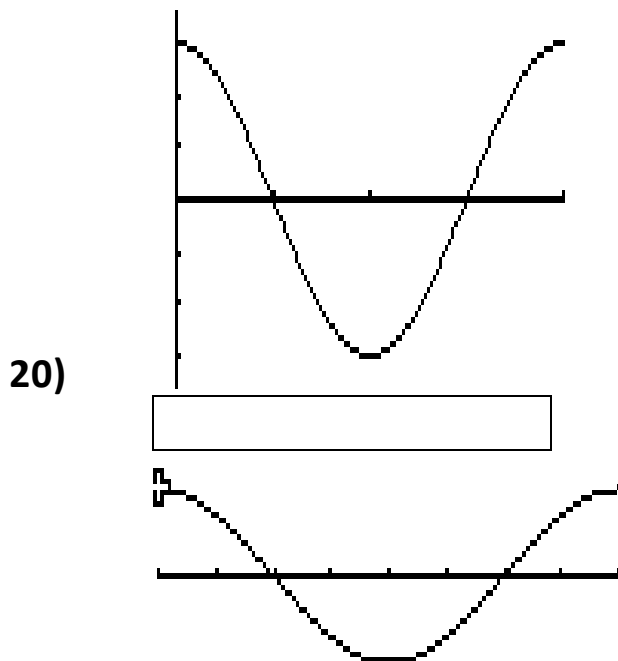
15)  $-2\pi, -\pi, 0, \pi, 2\pi$

16)  $\frac{\pi}{12} \leq \theta \leq \frac{5\pi}{12}$

17)  $\frac{-3\pi}{2}, \frac{-\pi}{2}, \frac{\pi}{2}, \frac{3\pi}{2}$

18) Cotangent is the reciprocal of tangent. As the value of  $\tan x$  increases, its reciprocal decrease, so  $\cot x$  decrease for all value of  $x$  for which it is defined.

19) There are changes between  $\tan x$  and  $\cot x$



21)  $x=45$

$y=0.5$