

SM2 ODD answers 2.1

1. Y,  $(-5, 4)$ ,  $(-3, 6)$ ,  $(-1, 8)$ ,  $(1, -3)$ ,  $(3, -3)$   
D:  $\{-5, -3, -1, 1, 3\}$   
R:  $\{-3, 4, 6, 8\}$
3. N  
D:  $\{-6, 3, 4\}$   
R:  $\{-8, -2, 3, 7\}$
5. N  $(-4, 0)$ ,  $(-4, 1)$ ,  $(-4, 3)$ ,  $(-2, -2)$ ,  $(0, -1)$ ,  $(0, 2)$ ,  $(2, -2)$ ,  $(4, -4)$ ,  $(4, 4)$   
D:  $\{-4, -2, 0, 2, 4\}$   
R:  $\{-4, -2, -1, 0, 1, 2, 3, 4\}$
7. Y; there is only one Circumference for each given diameter  
Domain is diameter  
D:  $[0, \infty)$  All possible diameter measurements  
R:  $[0, \infty)$  All possible circumference measurements
9. Y; D:  $(-\infty, \infty)$ ; R:  $[-5, \infty)$
11. Y; D:  $(-\infty, \infty)$ ; R:  $(-\infty, 5]$
13. Y; D:  $(-\infty, \infty)$ ; R:  $(-2, \infty)$