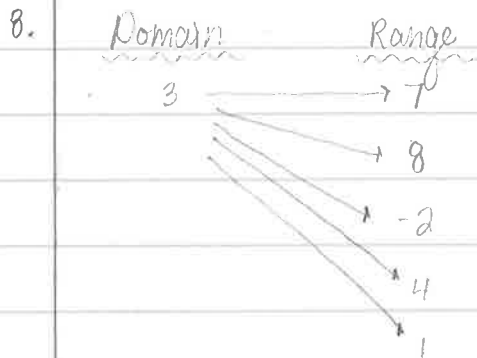
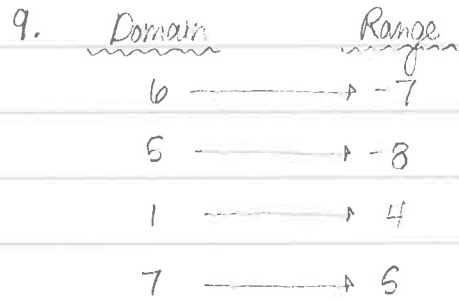


PG. 211 ; # 8-19 all,
 24, 25, 27,
 30-34 all,
 37-40 all

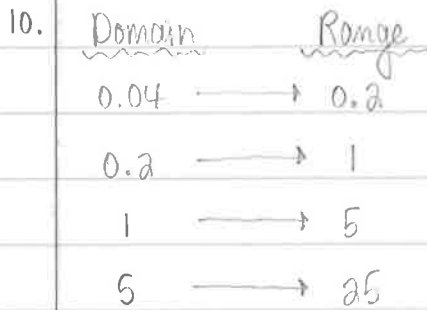
ALGEBRA (SECTION 4.6)



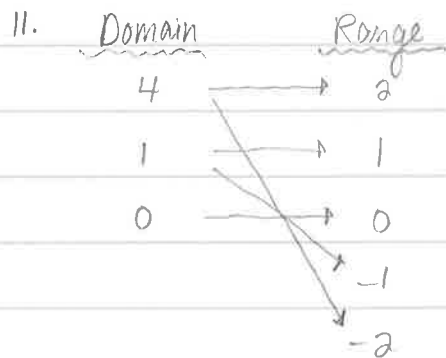
NOT FUNCTION



FUNCTION



FUNCTION



NOT FUNCTION

12. NOT FUNCTION

13. NOT FUNCTION

14. FUNCTION

15. FUNCTION

16. $d(t) = 186,000t$
 $d(30) = 186,000(30)$
 $= \boxed{5580,000 \text{ mi}}$

17. $f(x) = 4.50x - 7$
 $f(4) = 4.50(4) - 7$
 $= \boxed{\$ 11}$

18. $f(x) = 2x - 7$; $\{-2, -1, 0, 1, 2\}$

$f(-2) = (-11)$

$f(-1) = (-9)$

$f(0) = (-7)$

$f(1) = (-5)$

$f(2) = (-3)$

19. $g(x) = -4x + 1$; $\{-5, -1, 0, 2, 10\}$

$g(-5) = (21)$

$g(-1) = (5)$

$g(0) = (1)$

$g(2) = (-7)$

$g(10) = (-39)$

24.

NOT A FUNCTION

25.

FUNCTION

Domain = $\{-4, -1, 0, 3\}$

Range = $\{-4\}$

27.

$2x = 6x - 4$
 $+4 \quad +4$

$30 = 4x$
 $6 \quad 6$

$x = 5$

30.

Any number but 1, -7

31.

FUNCTION

32.

NOT FUNCTION

33.

NOT FUNCTION

34.

FUNCTION

37.

$f(x) = 2x$, $g(x) = x^2 + 1$

$f(3) = 2(3)$, $g(4) = 4^2 + 1$

$= (6)$

$= (17)$

$f(3) + g(4) = (23)$

39.

$f(5) = 2(5)$, $g(1) = 1^2 + 1$

$= (10)$

$= (2)$

$f(5) - 2 \cdot g(1) = (6)$

38.

$g(3) = 3^2 + 1$, $f(4) = 2(4)$

$= (10)$

$= (8)$

$g(3) + f(4) = (18)$

40.

$g(3) = 3^2 + 1$

$= (10)$

$f(10) = 2(10)$

$= (20)$