

# 7.3-7.5 Review Answers

(1) 2

(2) 3

(3) 4

(4) -2

(5)  $\frac{4}{3}$

(6)  $\frac{3}{2}$

(7) -1

(8)  $-\frac{17}{2}$

(9)  $\frac{3}{4}$

(10)  $\frac{1}{2}$

(11)  $\frac{4}{5}$

(12) 1



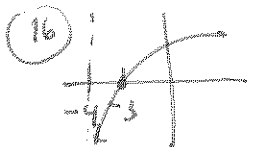
D:  $x > 0$   
R:  $\mathbb{R}$



D:  $x > 2$   
R:  $\mathbb{R}$



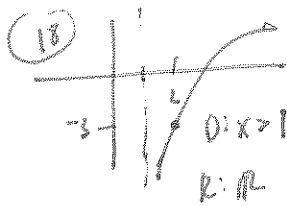
D:  $x > 0$   
R:  $\mathbb{R}$



D:  $x > 4$   
R:  $\mathbb{R}$



D:  $x > 3$   
R:  $\mathbb{R}$



D:  $x > 1$   
R:  $\mathbb{R}$

(19)  $y = 3^x$

(20)  $y = 10^x + 4$

(21)  $y = 4^{x+5}$

(22)  $y = 7^{x-6} - 3$

(23)  $2 \log x + 7 \log y$

(24)  $\log x - \log y$

(25)  $\log 7 + \log x + 3 \log y$

(26)  $\log 4 + \log y - 5 \log x$

(27)  $\log_2 6$

(28)  $\log x^2 y^3$

(29)  $\log 8x$

(30)  $\log 10 = 1$

(31) 2.08

(32) 3.29

(33) .56

(34) 1.10

(35) 2.26

(36) 2.11

(37) 4.25

(38) 1.37

(39) 343

(40) 21

(41)  $\frac{7}{2}$

(42) 36

(43)  $\frac{2}{5} = 0.4$

(44) 31

(45)  $-\frac{128}{63}$  extraneous

(46) 9

(47) 20

(48) 4

(49)  $\frac{44}{19}$