

HW 67

68. $3 \ln(0.74) = -0.9$

69. $8 \ln(0.05) = -23.97$

70. $-\ln(1/2) = 0.69$

71. $\ln e^5 = 5$

72. $\ln e^{-4} = -4$

73. $\ln e^{-5/6} = -5/6$

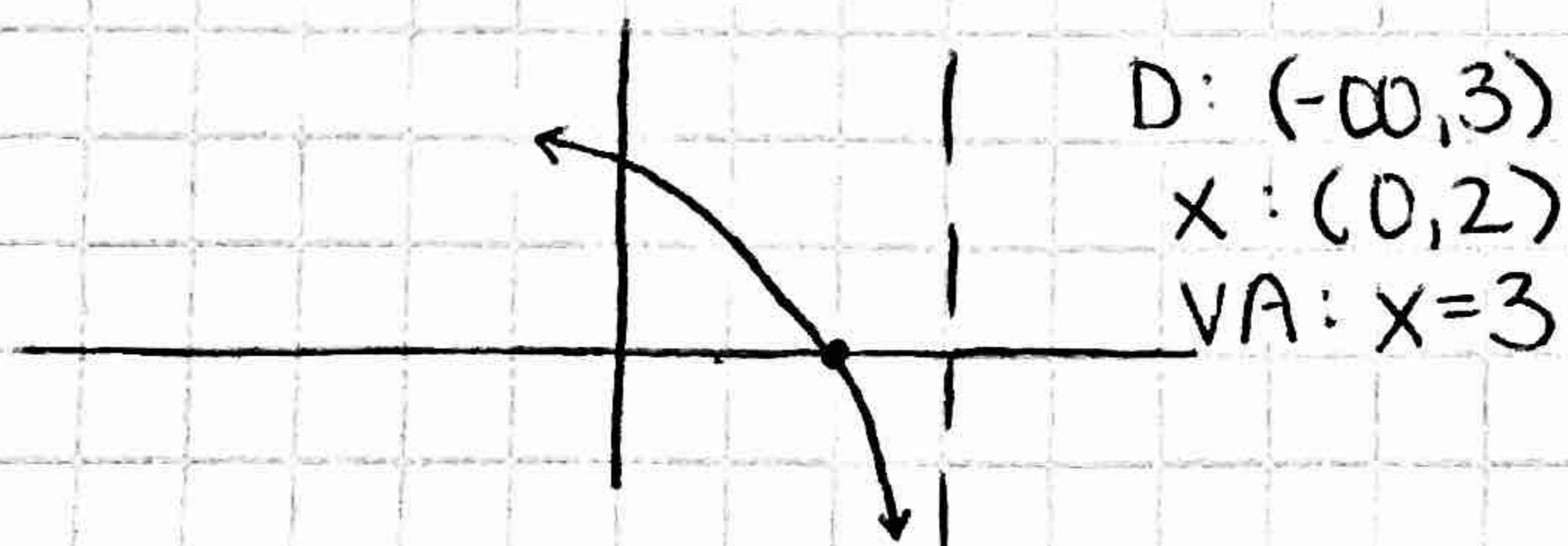
74. $\ln e^{-5/2} = -5/2$

75. D: $x-4 > 0 \quad x > 4 \quad (4, \infty)$
 x-int: $(0, 5)$
 VA: $x = 4$

76. x-int: $(0, -4)$
 VA: $x = -5$
 D: $x+5 > 0$
 $x > -5 \quad (-5, \infty)$

77. x-int: $(0, -1)$
 VA: $x = 0$
 D: $(-\infty, 0)$

78. $f(x) = \ln(-(x-3))$



79. L9

~~80. 81. 82.~~

88. $5x+3=12$
 $5x=9$
 $x = 9/5$

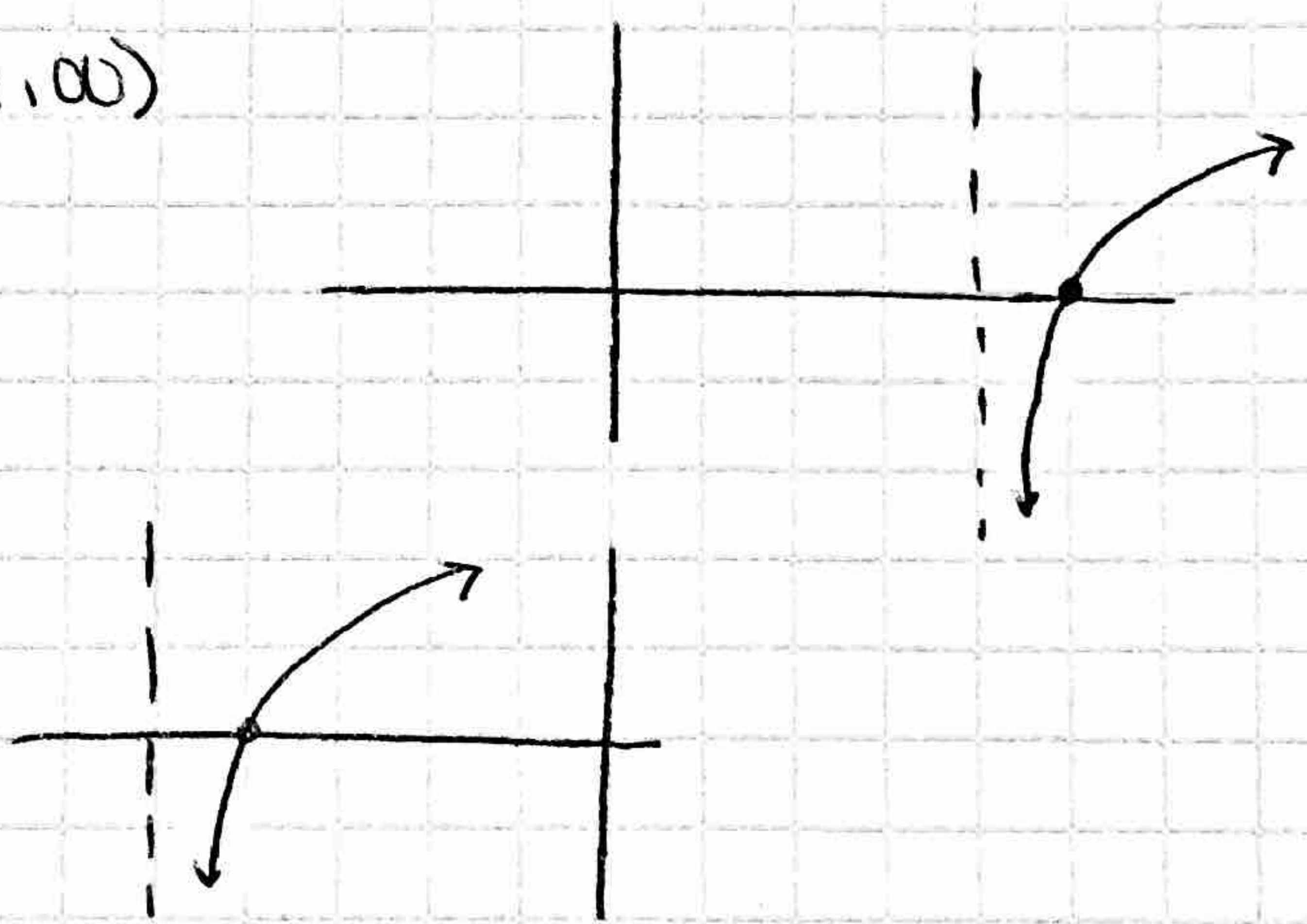
85. $x+1=6$
 $x=5$

89. $x+4=12$
 $x=8$

86. $x-3=9$
 $x=12$

90. $x-7=7$
 $x=14$

87. $2x+1=15$
 $2x=14$
 $x=7$



91. $x^2-2=23$
 $x^2=25$
 $x = \pm 5$

92. $x^2-x=6$
 $x^2-x-6=0$
 $(x-3)(x+2)=0$
 $x=3 \quad x=-2$