

1



darwin amog.png

Center: (0,0)

Width: 20

Angle: 0 rad

Height: 11.13

Opacity: 1

2



▼ LINEAR

3



$$y = 1.45 \{ .02 \leq x \leq 3.332 \}$$

4



$$y = 1.4 \{ -4.107 \leq x \leq -.4 \}$$

5



$$y = 1x + 1.1 \{ -5.134 \leq x \leq -4.8869 \}$$

6



$$y = -.3x - 2.6 \{ 3.7 \leq x \leq 4.48 \}$$

7



$$y = 15x + 19.6 \{ -1.677 \leq x \leq -1.59 \}$$

8



$$y = 17.56x - 1.6 \{ -.225 \leq x \leq -.147 \}$$

9



$$-0.12x + 2.4y = -10 \{ -1.93 \leq x \leq 2.181 \}$$

10



$$-6.6x + .459y = -10 \{ 1.129 \leq x \leq 1.23 \}$$

11



$$.02x + 3y = -10 \{ -.602 \leq x \leq 1.99 \}$$

12



$$-.89x + 1.06y = -1.05 \{ -4.01 \leq x \leq -3.415 \}$$

13



▼ ABSOLUTE VALUE

14



$$y = .86|x + 3.2| - 4.8 \{ -5.22 \leq x \leq -4.71 \}$$

15



$$y = 2.6|x - 3.65| + 1.76 \{ 3.383 \leq x \leq 3.65 \}$$

16



$$y = -.01|x - 1| - .43 \{ 1.498 \leq x \leq 2.17 \}$$

17



$$y = -1.8|x + 6.05| - 1.5 \{ -5.943 \leq x \leq -5.75 \}$$

18



$$y = -2.4|x + 3.1| + .1 \{ -3.086 \leq x \leq -2.685 \}$$

19



$$y = |4.3(x - 2.58)| - 4.8 \{ 2.696 \leq x \leq 2.772 \}$$

20



$$y = |-.9(x + 6.45)| - 3.85 \{ -6.448 \leq x \leq -5.833 \}$$

21



▼ QUADRATIC

22



$$y = 1.3(x + 1.4)^2 - 1.1 \{ -2.1 \leq x \leq -1.5 \}$$

23



$$y = -3(x - 4.957)^2 + 2 \{ 5.781 \leq x \leq 5.849 \}$$

24



$$y = 0.5(x - 4)^2 - .1 \{ 3.35 \leq x \leq 4.8 \}$$

25



$$y = -.1(x - .3)^2 + 4.1 \{ -.47 \leq x \leq 1.124 \}$$

26



$$y = (1.001(x + 5.8))^2 - 4.27 \{ -6.874 \leq x \leq -5.818 \}$$

27



$$v = (.6(x - 4.6))^2 - 4.77 \{ 3.62 < x < 4.817 \}$$

28



$$y = .5(x + 4.2)^2 - 5.3 \{-4.685 \leq x \leq -2.95\}$$

29



$$y = -.1(x - 3.3)(x + 2) \{-1.25 \leq x \leq .3\}$$

30



$$y = -.2(x - .01)(x - 1) \{-0.01 \leq x \leq 1.09\}$$

31



$$y = -.32(x + 4.9)(x - .69) \{-2.42 \leq x \leq -1.816\}$$

32



$$y = -.25x^2 + .82x + 1.6 \{1.17 \leq x \leq 2.575\}$$

33



$$y = -.298x^2 - 1.2x + 1 \{-2.2 \leq x \leq -.4\}$$

34



▼ CUBIC

35



$$y = 1.2(x + 5.2)^3 + 1.7 \{-6.11 \leq x \leq -5.803\}$$

36



$$y = -.3(x - 3.5)^3 + 1.8 \{3.63 \leq x \leq 4.116\}$$

37



$$y = (.18(x - 1.7))^3 + 4 \{-3.798 \leq x \leq -1.8\}$$

38



$$y = (-1.001(x - 4.6))^3 - 3.07 \{4.84 \leq x \leq 5.46\}$$

39



$$y = -7.8(x + 6.9)(x + 5.4)(x + 6.29) \{-6.298 \leq x \leq -6.104\}$$

40



$$y = -.1(x + 2.8)(x + .6)(x + 4.6) \{-5.118 \leq x \leq -4.819\}$$

41



▼ POLYNOMIAL

42



$$y = .7(x + 1)^4 - 3.1 \{-2.09 \leq x \leq -1.77\}$$

43



$$y = -.089(x - 1.4)^4 + 2.5 \{1.97 \leq x \leq 2.65\}$$

44



$$y = (x + 4.3)(x + 4)(x + 3.7)(x + 4.7) \{-5.21 \leq x \leq -5.118\}$$

45



$$y = (x - .7)(x - 5.85)(x + .4)(x + 6.2) \{5.848 \leq x \leq 5.849\}$$

46



$$y = 1.001(x - 2.5)^5 - 3.4 \{3.5 \leq x \leq 3.66\}$$

47



$$y = .5(x - 2.36)^6 - 1 \{3.08 \leq x \leq 3.36\}$$

48



▼ RADICAL

49



$$y = 1.4 \cdot \sqrt[2]{x + 5.9} + 1.001 \{-4.8 \leq x \leq -3.798\}$$

50



$$y = -3 \sqrt[2]{x + 6.3} + .1 \{-6.298 < x < -5.943\}$$

51



$$y = \sqrt[2]{2.9(x+5.89)} + .4 \{-5.838 \leq x \leq -5.684\}$$

52



$$y = \sqrt[2]{-1.4(x+.3)} + 1.1 \{-1.46 \leq x \leq -.38\}$$

53



$$y = .85 \cdot \sqrt[2]{x+6.9} - 2.4 \{-6.893 \leq x \leq -5.984\}$$

54



$$y = 2.1 \cdot \sqrt[3]{x-5.7} + -1.001 \{4.228 \leq x \leq 5.452\}$$

55



$$y = -2.4 \cdot \sqrt[3]{x-3.605} + 1.001 \{2.401 \leq x \leq 3.383\}$$

56



$$y = \sqrt[3]{4(x+5.1)} + 0.001 \{-5.09 \leq x \leq -4.993\}$$

57



$$y = \sqrt[3]{-2.2(x-3.1)} + 2.4 \{1.124 \leq x \leq 2.401\}$$

58



$$y = 1.984 \cdot \sqrt[3]{x+6.4} + .45 \{-1.801 \leq x \leq -.471\}$$

59



$$y = 3.9 \cdot \sqrt[5]{x-5.9} + 1.001 \{5.452 \leq x \leq 5.774\}$$

60



$$y = 1.2 \cdot \sqrt[5]{x-2.85} - .1 \{2.559 \leq x \leq 2.84\}$$

61



▼ EXPONENTIAL

62



$$y = -.6 \cdot 2.12^{(x-4.44)} + 2.2 \{4.103 \leq x \leq 4.892\}$$

63



$$y = -8.2 \cdot 1.4^{(x-6.9)} + 4.912 \{1.136 \leq x \leq 1.76\}$$

64



$$y = .3 \cdot .1^{(x+4.7)} - .208 \{-4.819 \leq x \leq -4.465\}$$

65



$$y = 1.001 \cdot .01^{(x+5.15)} - 5.3 \{-5.13 \leq x \leq -4.685\}$$

66



$$y = -.1 \cdot 4^{(x-3.55)} + 2 \{4.892 \leq x \leq 5.339\}$$

67



$$y = .09 \cdot e^{(x+6.8)} - 4.51 \{-5.818 \leq x \leq -5.134\}$$

68



$$y = 11 \cdot e^{(x-6.9)} - 4.15 \{2.536 \leq x \leq 4.228\}$$

69



▼ LOGARITHMIC

70



$$y = .1 \cdot \log_2(x+1.39) + 2.2 \{-1.386 \leq x \leq -1.157\}$$

71



$$y = .101 \cdot \log_2(x-2.6) + 2.201 \{2.606 \leq x \leq 2.786\}$$

72



$$y = 5.3 \cdot \log_{.1}(x - 1.54) - 4.1 \{ 2.752 \leq x \leq 2.91 \}$$

$$y = 1.001 \cdot \log_{.9}(x - .517) + 3.1 \{ 2.696 \leq x \leq 2.752 \}$$

$$y = 10 \cdot \ln(x + 7.88) - 2.2 \{ -6.931 \leq x \leq -6.893 \}$$

$$y = .79 \cdot \ln(x + 5.45) - 3.34 \{ -5.092 \leq x \leq -4.234 \}$$

$$\text{▼ ADDITIONAL NON-LINEAR FUNCTIONS}$$

$$y = -.22(x + 2.2)^2 + 2.2 \{ -4.107 \leq x \leq -2.18 \}$$

$$y = 1.001(x + 4)^2 + 1.6 \{ -4.353 \leq x \leq -3.789 \}$$

$$y = 1.4(x + 3.6)^2 + 1.73 \{ -4.01 \leq x \leq -3.655 \}$$

$$y = .69(x + 3)^2 + 1.8 \{ -3.697 \leq x \leq -3.374 \}$$

$$y = 1.001(x - 2.4)^2 + 1.72 \{ 2.952 \leq x \leq 3.193 \}$$

$$y = .33(x - 2.2)^2 + 1.6 \{ 3.13 \leq x \leq 3.423 \}$$

$$y = .35(x - 2.7)^2 + 1.5 \{ 3.278 \leq x \leq 3.575 \}$$

$$y = -.7(x + 2.7)^2 - 3.5 \{ -3.415 \leq x \leq -2.638 \}$$

$$y = 1.001(x + 3.24)^2 - 5.5 \{ -3.778 \leq x \leq -3 \}$$

$$y = -.9(x - .75)^2 + 3.42 \{ .53 \leq x \leq 1 \}$$

$$y = -.45(x - .75)^2 + 3.8 \{ .02 \leq x \leq 1.2 \}$$

$$y = .5(x - 1.977)^2 - .2 \{ 1.67 \leq x \leq 2.55 \}$$

$$y = -.08(x - .7)^2 - 1 \{ -.229 \leq x \leq 1.52 \}$$






















$$y = -.67(x + 1.89)^2 + 3.12 \{ -2.65 \leq x \leq -1.47 \}$$























$$y = -.46(x + 1.9)^2 + 3.53 \{ -2.97 \leq x \leq -1.7 \}$$





$$y = .4(x - 4)^2 - 5.3 \{ 2.9 \leq x \leq 3.967 \}$$

$$y = -.1(x - .23)^2 + .69 \{ .294 \leq x \leq 1.923 \}$$

$$y = -.296(x - 1.7)^2 + 2.3 \{ 0 \leq x \leq 1.175 \}$$

95		$y = -.36(x + 5.3)^2 - 2.3\{-6.85 \leq x \leq -6.27\}$
96		$y = -1.2(x + 2.6)^2 - 3.5\{-2.643 \leq x \leq -2.06\}$
97		$y = .12(x - 1.8)^2 - 4.075\{2.180 \leq x \leq 2.536\}$
98		$y = -.108(x + 2.9)^2 + 2.6\{-1.816 \leq x \leq -1.459\}$
99		$y = \sqrt[2]{-1.63(x - 3.37)} + 1.2\{2.63 \leq x \leq 3.332\}$
100		$y = .4(x + 1.4)^2 - .3\{-2.028 \leq x \leq -1.24\}$
101		$y = -2.4 \cdot \sqrt[2]{x - 2.9} + .49\{2.01 \leq x \leq 2.906\}$
102		$y = \sqrt[2]{.8(x - 1.33)} - .8\{1.396 \leq x \leq 1.497\}$
103		$y = -9.9 \cdot \sqrt[2]{x + 5.12} + .54\{-5.119 \leq x \leq -5.117\}$
104		$y = 1.3 \cdot \sqrt[2]{x + 5.9} + .7\{-5.187 \leq x \leq -4.939\}$
105		$y = 1.4 \cdot \sqrt[2]{x + 5.9} + 1.001\{-5.803 \leq x \leq -4.8\}$
106		$y = 1.5(x + 5.45)^2 - .39\{-5.8 \leq x \leq -5.476\}$
107		$y = 1.9(x + 5.5)^2 - .39\{-5.476 \leq x \leq -5.17\}$
108		$y = -1.75(x + 5.13)^2 + 1.71\{-5.684 \leq x \leq -5.5\}$
109		$y = -.5(x + 4.29)^2 + 2.2\{-5.522 \leq x \leq -5.187\}$
110		$y = \sqrt[2]{10(x + 5.9)} + 0.001\{-5.899 \leq x \leq -5.838\}$
111		$y = -1.185(x + 4.2)^2 + 1.5\{-4.993 \leq x \leq -4.75\}$
112		$y = -.7(x + 3.78)^2 + 1.8\{-4.75 \leq x \leq -4.3\}$
113		$y = -.6(x + 4.5)^2 + 2.09\{-4.939 \leq x \leq -4.743\}$
114		$y = \sqrt[2]{-.6(x + 4.22)} + 1.7\{-4.314 \leq x \leq -4.258\}$
115		$y = -1.5(x + 4.6)^2 + 2.06\{-4.475 \leq x \leq -4.314\}$

116		$y = -1.6(x + 4.63)^2 + 2.075 \{ -4.743 \leq x \leq -4.475 \}$
117		$y = 8(x + 5.69)^2 - .3 \{ -5.9 \leq x \leq -5.796 \}$
118		$y = .2(x + 4)^2 - .1 \{ -3.992 \leq x \leq -3.086 \}$
119		$y = .55(x + 3.4)^2 - 5.5 \{ -2.7 \leq x \leq -2.07 \}$
120		$y = .8(x - 4.7)^2 - 4.764 \{ 4.817 \leq x \leq 5.365 \}$
121		$y = 1.3(x - 4)^2 - 5.301 \{ 3.967 \leq x \leq 4.41 \}$
122		$y = 4.7(x - 4.194)^2 - 5.3 \{ 4.408 \leq x \leq 4.53 \}$
123		$y = 2.3(x - 5.01)^2 - 4.7 \{ 5.365 \leq x \leq 5.54 \}$
124		$y = -12(x - 5.3)^2 - 3.4 \{ 5.46 \leq x \leq 5.535 \}$
125		$y = .4(x - 2.3)^2 - 3.4 \{ 2.3 \leq x \leq 3.183 \}$
126		$y = .24(x + .4)^2 - 3.39 \{ -1.6 \leq x \leq -.93 \}$
127		$y = .5(x + 4.1)^2 - .1 \{ -4.465 \leq x \leq -4.108 \}$
128		$y = .6(x + 4.05)^2 - .102 \{ -4.108 \leq x \leq -3.992 \}$
129		$y = 3.5(x - 3.05)^2 - 3.15 \{ 3.183 \leq x \leq 3.47 \}$
130		$y = 10(x + 6.56)^2 - 4.1 \{ -6.931 \leq x \leq -6.874 \}$
131		$y = -.61(x - 2.3)^2 + 2.1 \{ 2.575 \leq x \leq 3.331 \}$
132		$y = -10(x + 4.8)^2 - 3.3 \{ -5.13 \leq x \leq -5.092 \}$
133		$y = -1.7(x - 5)^2 + 1.001 \{ 5.339 \leq x \leq 5.781 \}$
134		$y = 19(x - 5.5)^2 - 3 \{ 5.774 \leq x \leq 5.848 \}$
135		$y = -.2(x - .8)^2 - .001 \{ 1.076 \leq x \leq 1.683 \}$
136		$y = .2(x - 2)^2 - 1.1 \{ 1.518 \leq x \leq 2.559 \}$
137		$y = .2(x + .9)^2 - 1.159 \{ -1.5 \leq x \leq -.229 \}$

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151	 ► ADDITIONAL LINEAR EQUATIONS
152	 ► NON-FUNCTION EQUATIONS
153	 ► FUNCTION FAMILIES NOT STUDIED IN CLASS
154	 ► ADDITIONAL PICTURES