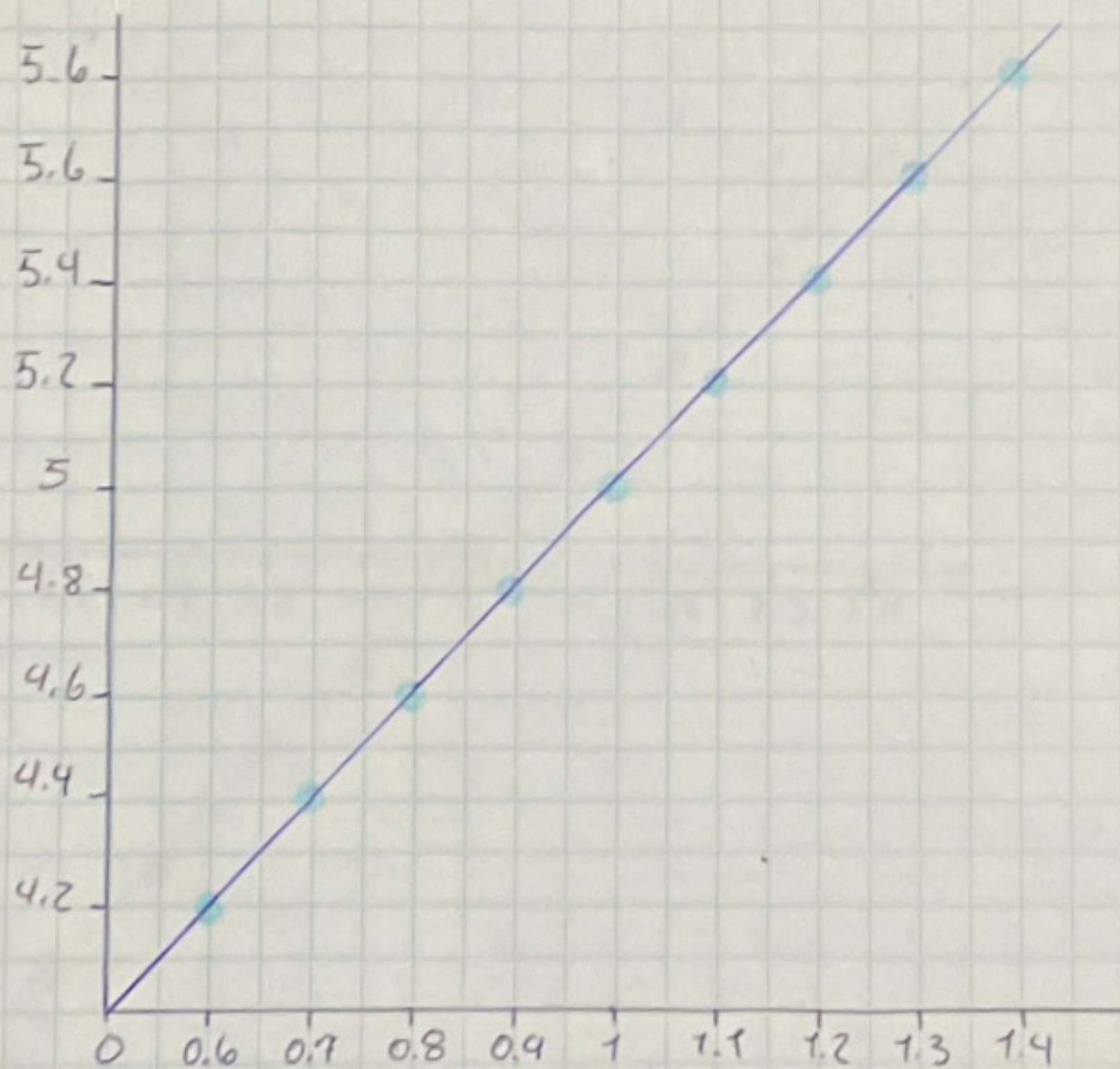


$$f(x) = 2x + 3$$

$$\lim_{x \rightarrow 1} f(x) = 5$$

$$x \rightarrow 1$$

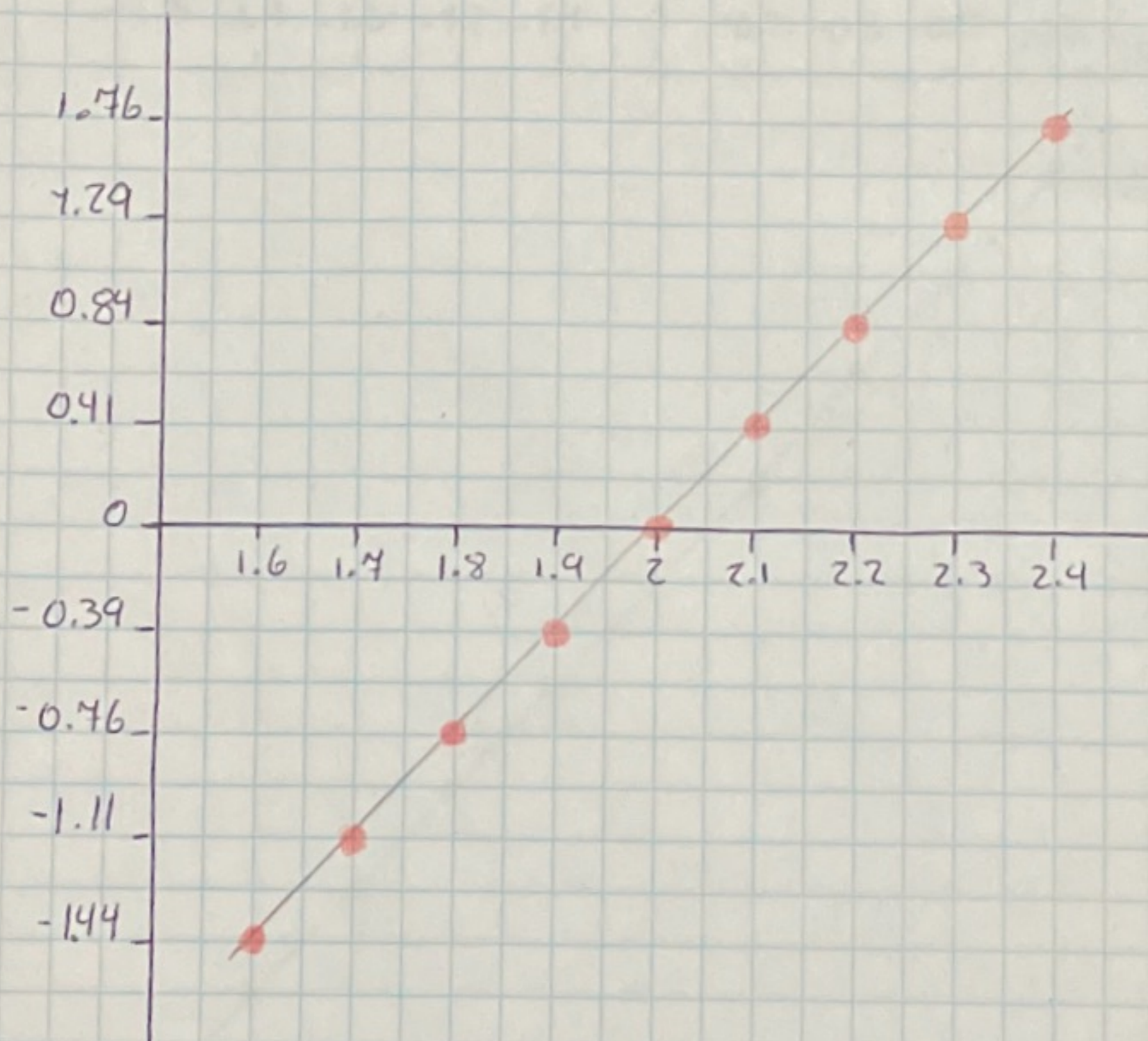
x	$f(x)$	$2x + 3$
0.6	4.2	$2(0.6) + 3 = 4.2$
0.7	4.4	$2(0.7) + 3 = 4.4$
0.8	4.6	$2(0.8) + 3 = 4.6$
0.9	4.8	$2(0.9) + 3 = 4.8$
1	5	—
1.1	5.2	$2(1.1) + 3 = 5.2$
1.2	5.4	$2(1.2) + 3 = 5.4$
1.3	5.6	$2(1.3) + 3 = 5.6$
1.4	5.8	$2(1.4) + 3 = 5.8$



$$g(x) = x^2 - 4$$

$$\lim_{x \rightarrow 2} g(x) = 2$$

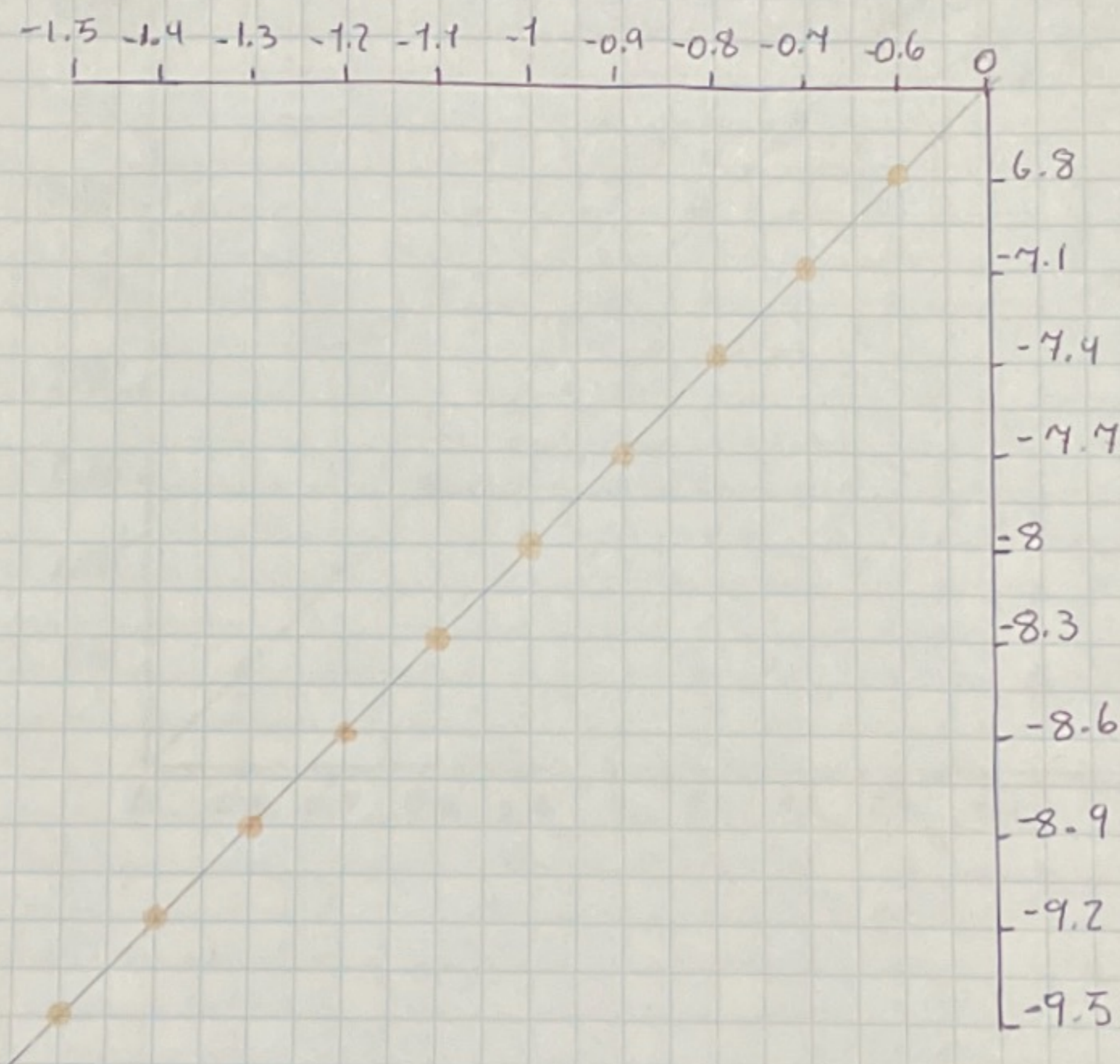
x	$g(x)$	$x^2 - 4$
1.6	-1.44	$(1.6)^2 - 4 = -1.44$
1.7	-1.11	$(1.7)^2 - 4 = -1.11$
1.8	-0.76	$(1.8)^2 - 4 = -0.76$
1.9	-0.39	$(1.9)^2 - 4 = -0.39$
2	—	—
2.1	0.41	$(2.1)^2 - 4 = 0.41$
2.2	0.84	$(2.2)^2 - 4 = 0.84$
2.3	1.29	$(2.3)^2 - 4 = 1.29$
2.4	1.76	$(2.4)^2 - 4 = 1.76$



$$h(x) = 3x - 5$$
$$\lim_{x \rightarrow -1} h(x) = -8$$

$$x \rightarrow -1$$

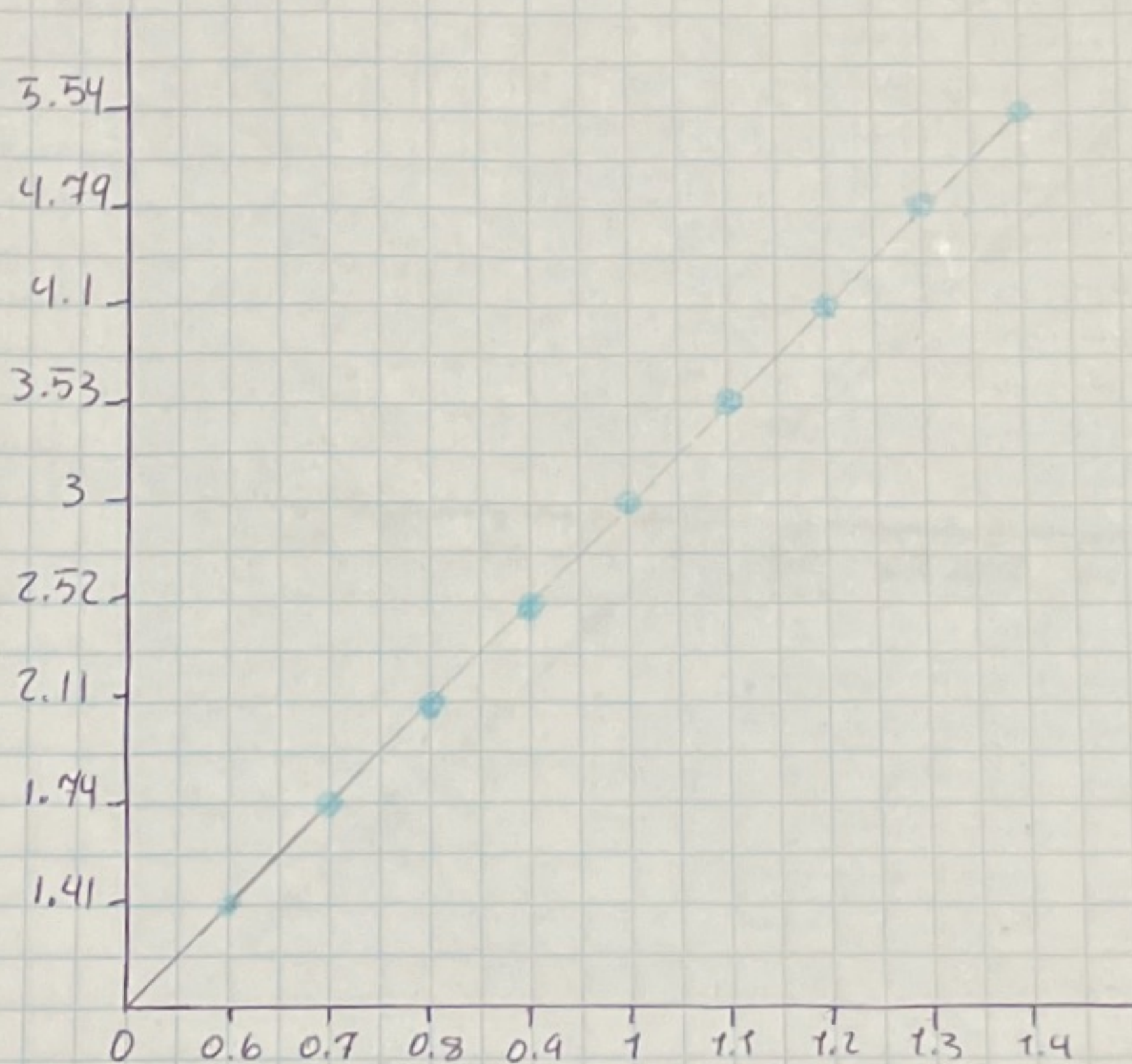
x	$h(x)$	$3x - 5$
-1.5	-9.5	$3(-1.5) - 5 = -9.5$
-1.4	-9.2	$3(-1.4) - 5 = -9.2$
-1.3	-8.9	$3(-1.3) - 5 = -8.9$
-1.2	-8.6	$3(-1.2) - 5 = -8.6$
-1.1	-8.3	$3(-1.1) - 5 = -8.3$
-1	-	-
-0.9	-7.7	$3(-0.9) - 5 = -7.7$
-0.8	-7.4	$3(-0.8) - 5 = -7.4$
-0.7	-7.1	$3(-0.7) - 5 = -7.1$
-0.6	-6.8	$3(-0.6) - 5 = -6.8$



$$d(x) = x^3 + 2x$$
$$\lim_{x \rightarrow 1} d(x) = 3$$

$x \rightarrow 1$

x	$f(x)$	$x^3 + 2x$
0.6	1.41	$(0.6)^3 + 2(0.6) = 1.41$
0.7	1.74	$(0.7)^3 + 2(0.7) = 1.74$
0.8	2.11	$(0.8)^3 + 2(0.8) = 2.11$
0.9	2.52	$(0.9)^3 + 2(0.9) = 2.52$
1	3	3
1.1	3.53	$(1.1)^3 + 2(1.1) = 3.53$
1.2	4.1	$(1.2)^3 + 2(1.2) = 4.1$
1.3	4.79	$(1.3)^3 + 2(1.3) = 4.79$
1.4	5.54	$(1.4)^3 + 2(1.4) = 5.54$



$$K(x) = x^2 + 3x + 2$$

$$\lim_{x \rightarrow -1} K(x) = 0$$

$$x \rightarrow -1$$

x	$K(x)$	$x^2 + 3x + 2$
-1.4	-0.24	$(-1.4)^2 + 3(-1.4) + 2 = -0.24$
-1.3	-0.21	$(-1.3)^2 + 3(-1.3) + 2 = -0.21$
-1.2	-0.16	$(-1.2)^2 + 3(-1.2) + 2 = -0.16$
-1.1	-0.09	$(-1.1)^2 + 3(-1.1) + 2 = -0.09$
-1	—	—
-0.9	0.11	$(-0.9)^2 + 3(-0.9) + 2 = 0.11$
-0.8	0.24	$(-0.8)^2 + 3(-0.8) + 2 = 0.24$
-0.7	0.39	$(-0.7)^2 + 3(-0.7) + 2 = 0.39$
-0.6	0.56	$(-0.6)^2 + 3(-0.6) + 2 = 0.56$

