Day 55

1. Opener

a) If our classroom is the domain, is shoe size a function? Is parents' first names? Is number of fingers? Why or why not?

b) Simplify: $3x^2 \bullet (3x^2)^{-3}$

$$2\left(\frac{2x}{16x^2}\right)^{-2}$$

c) My car will need a major tuneup after I have driven it 120,000 miles. What day will I have to get that tune-up?

d) What is the largest manmade structure on Earth?

FRESH KILLS
COVERS AN
AREA OF
2,200 ACRES
(3.4 SQUARE
MILES)
1 mile

1 25 '02

CFA

CFA
FIRE
SECTOR
COMMANDER

Police

THE WORLD

THE WORLD

Wednesday, 2/18/09:

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	AVG
Fourth	**65**	70	**60**													**65**
Sixth	38	**90**	33													54

2. Classwork

2. Classwork

pg. 363 // #68 - 79 (choose 8)

2. Classwork

pg. 363 // #68 - 79 (choose 8)
pg. 363 // #94 - 105 (choose 8)

2. Classwork

pg. 363 // #68 - 79 (choose 8)
pg. 363 // #94 - 105 (choose 8)

3. Break

2. Classwork

pg. 363 // #68 - 79 (choose 8)
pg. 363 // #94 - 105 (choose 8)

3. Break

4. Show and Tell

5. Adding Exponentials

$$5x^2 \bullet 2x^3$$

5. Adding Exponentials

$$5x^2 + 2x^3$$

5. Adding Exponentials

$$5x^2 + 2x^2$$

5. Adding Exponentials

$$(4x^2 + 6x + 7) + (2x^2 - 9x + 1)$$

5. Adding Exponentials

$$\left(9p^3+6p^2+10p\right)+\left(2p^3+11p^2-3\right)$$

5. Adding Exponentials

$$\left(9p^3+6p^2+10p\right)-\left(2p^3+11p^2-3\right)$$

5. Adding Exponentials

$$9p^3 + 6p^2 + 10p$$

5. Adding Exponentials

$$-5x^2$$

5. Adding Exponentials

$$-5x^2 + 3x$$

5. Adding Exponentials

$$-5x^2 + 3x + 7$$

5. Adding Exponentials

$$4xy^2 - 3x^2 + 5x^3y^4 + 5xy^2$$

6. Classwork

6. Classwork

pg. 373 // #1 - 8 (choose 4)

6. Classwork

pg. 373 // #1 - 8 (choose 4)
pg. 373 // #26 - 33 (choose 8)

6. Classwork

pg. 373 // #1 - 8 (choose 4)
pg. 373 // #26 - 33 (choose 8)
pg. 373 // #15 - 20 (choose 3)

6. Classwork

pg. 373 // #1 - 8 (choose 4)
pg. 373 // #26 - 33 (choose 8)
pg. 373 // #15 - 20 (choose 3)
pg. 373 // #21 - 34

6. Classwork

pg. 373 // #1 - 8 (choose 4)
pg. 373 // #26 - 33 (choose 8)
pg. 373 // #15 - 20 (choose 3)
pg. 373 // #21 - 34

7. Concept Quiz

8. Homework

Practice

$$\left(8p^5 - 4p^3 + 3p^2\right) - \left(5p^3 - 3p^2 - 7\right)$$

simplify, classify

Challenge

Day 56

1. Opener

a) What polynomial do you add to $4x^2 - 3x - 7$ to get $7x^2 - 5x + 9$?

b) Write a third-degree binomial.

c) Distribute: $-5(a - 3)$

d) If the students in our class are the domain, then is the set of their boyfriends or girlfriends a function? Why or why not?

e) Is {(2, 5), (-2, 5), (3, 5), (-3, 5), (5, -3)} a function? Why or why not?

f) Simplify:

$$(2x^3)^4(4x^{-5})^2$$

$$\left(\frac{(-2)^3}{(3)^2}\right)^{-2} =$$

g) What is the only food that doesn't spoil?

5. Homework

Practice

$$\left(8p^5 - 4p^3 + 3p^2\right) - \left(5p^3 - 3p^2 - 7\right)$$

simplify, classify

Challenge

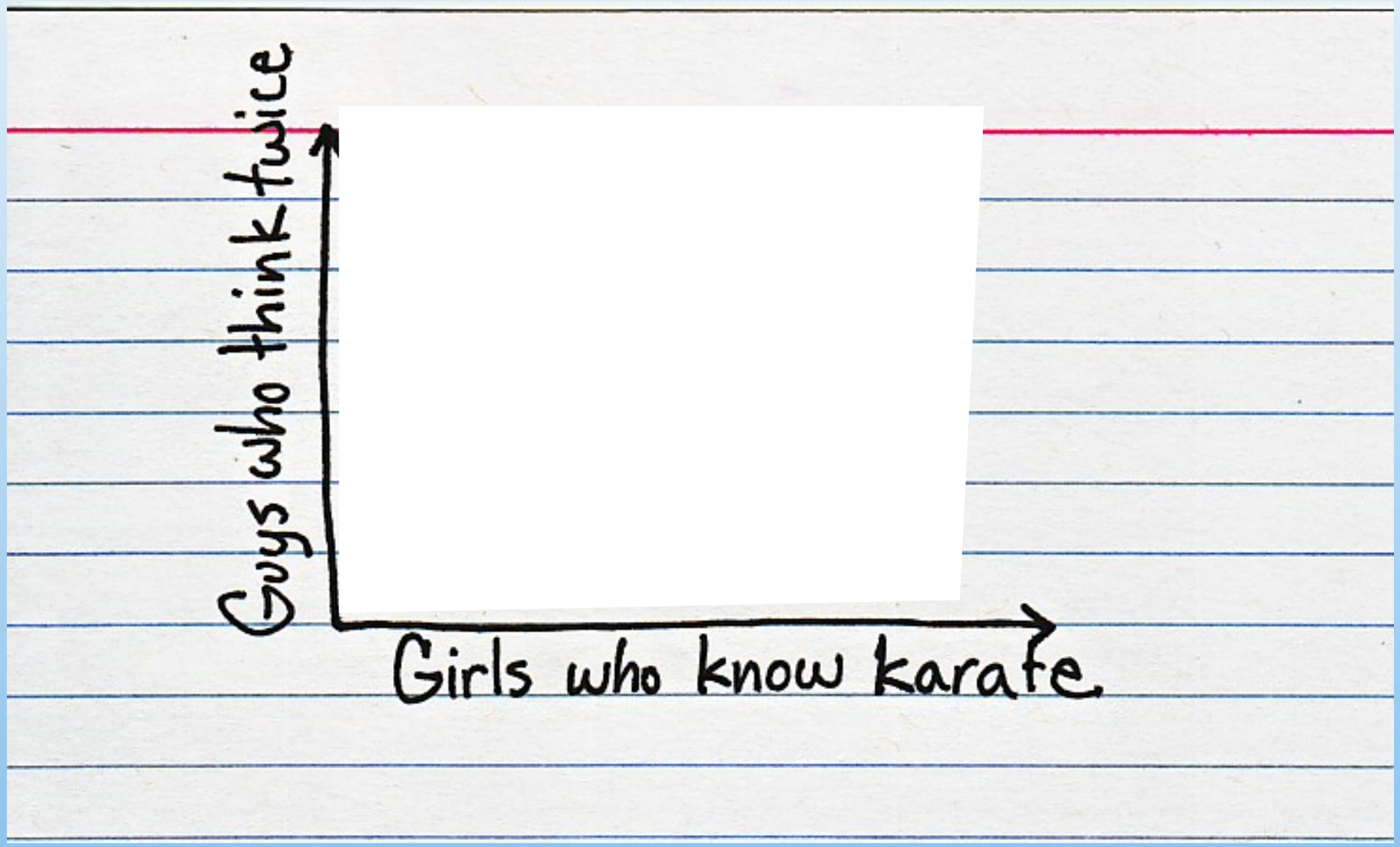
Wednesday, 2/18/09:

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	AVG
Fourth	**65**	70	**60**													**65**
Sixth	38	**90**	33													54

Friday, 2/20/09:

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	AVG
Fourth	**70**	80	**70**													**73**
Sixth	48	**100**	33													60

3. Draw the Graph



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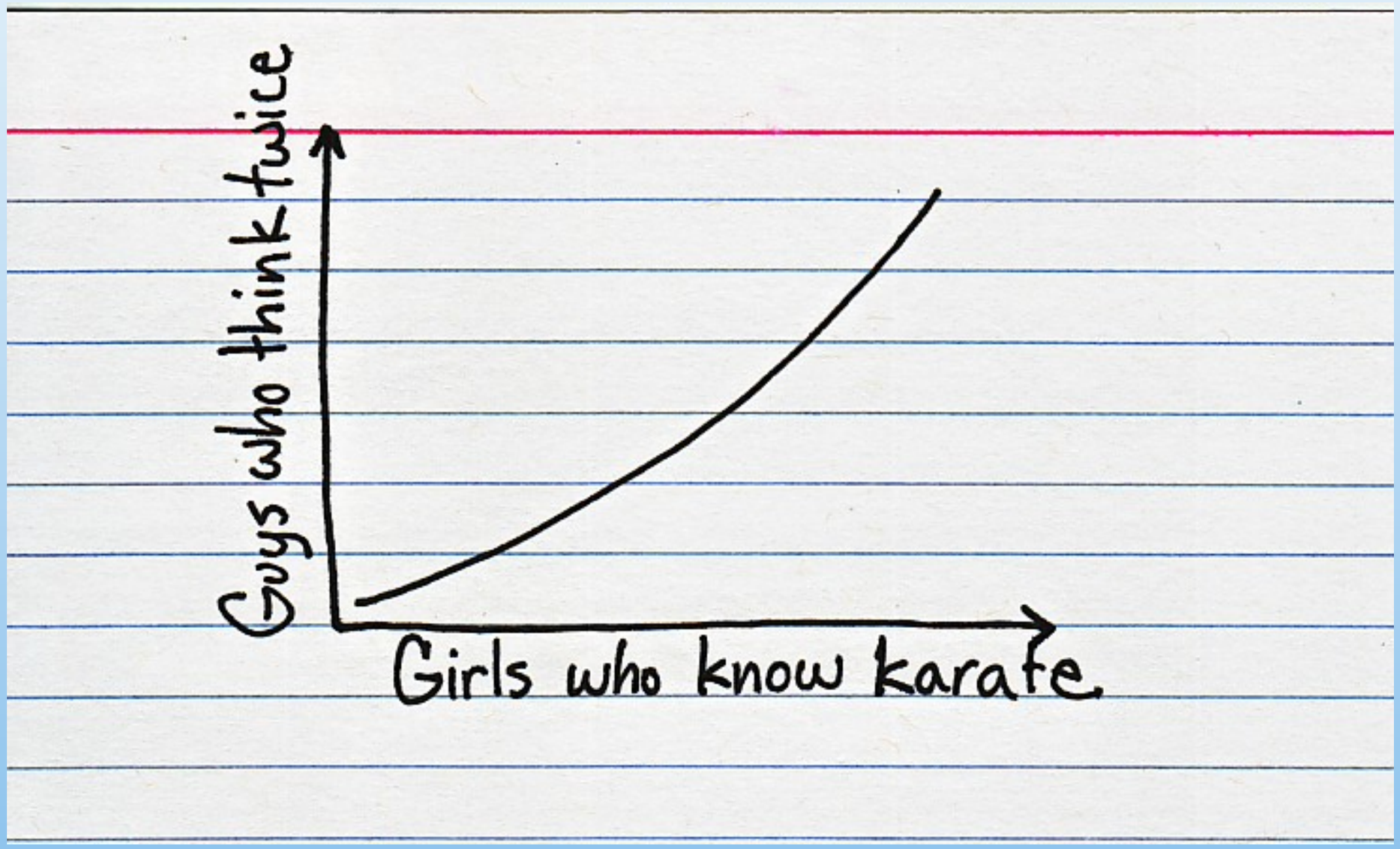

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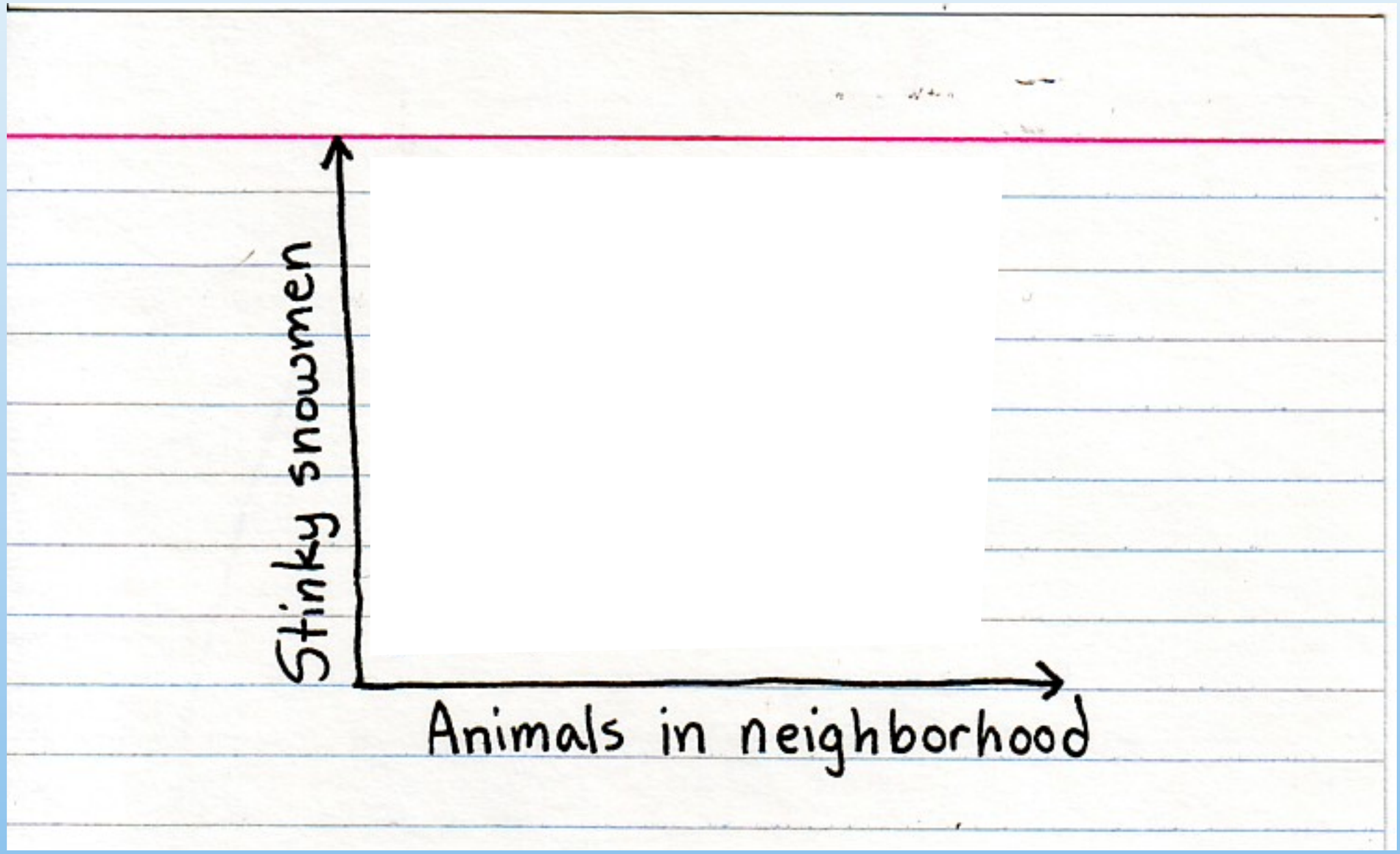

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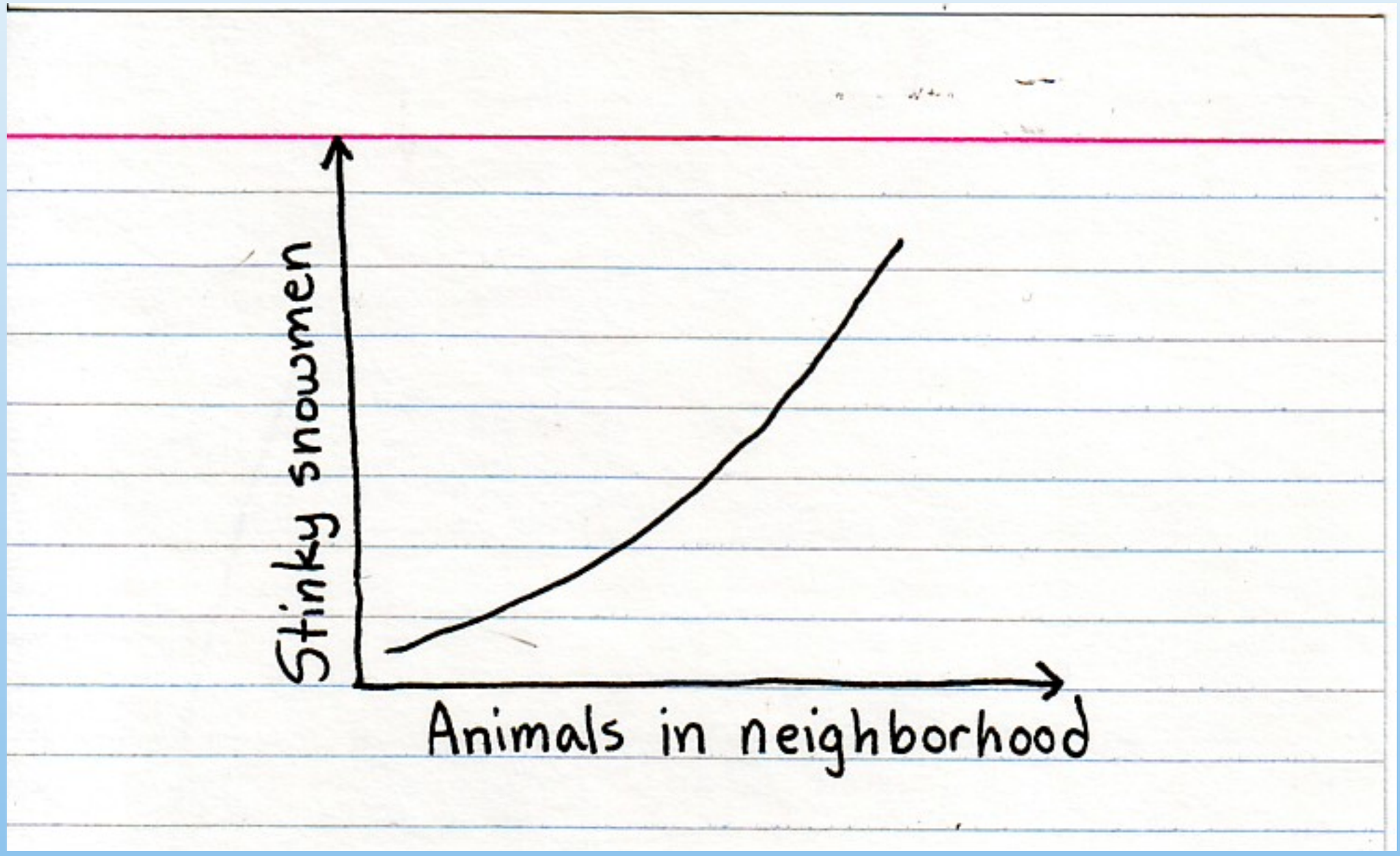

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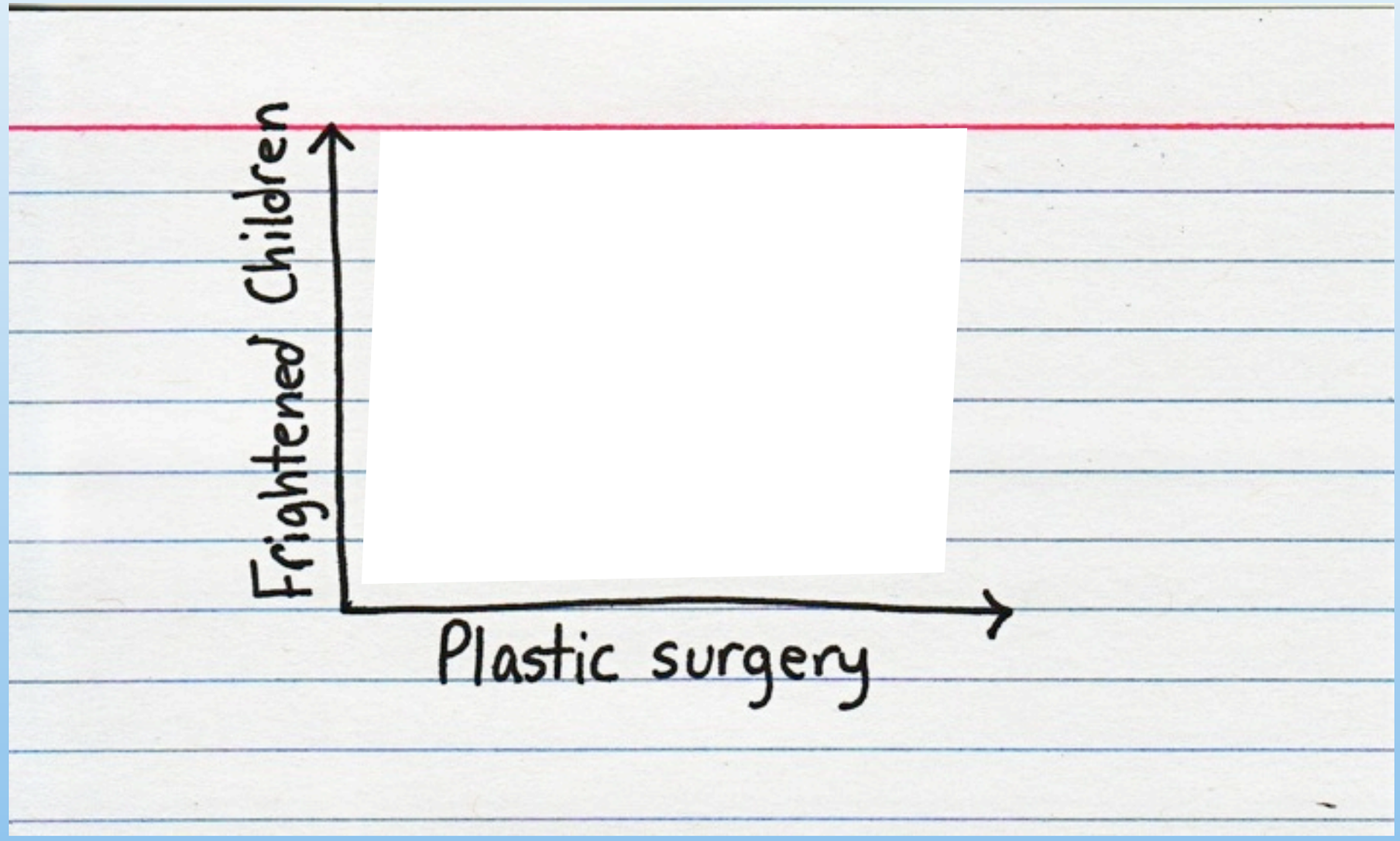

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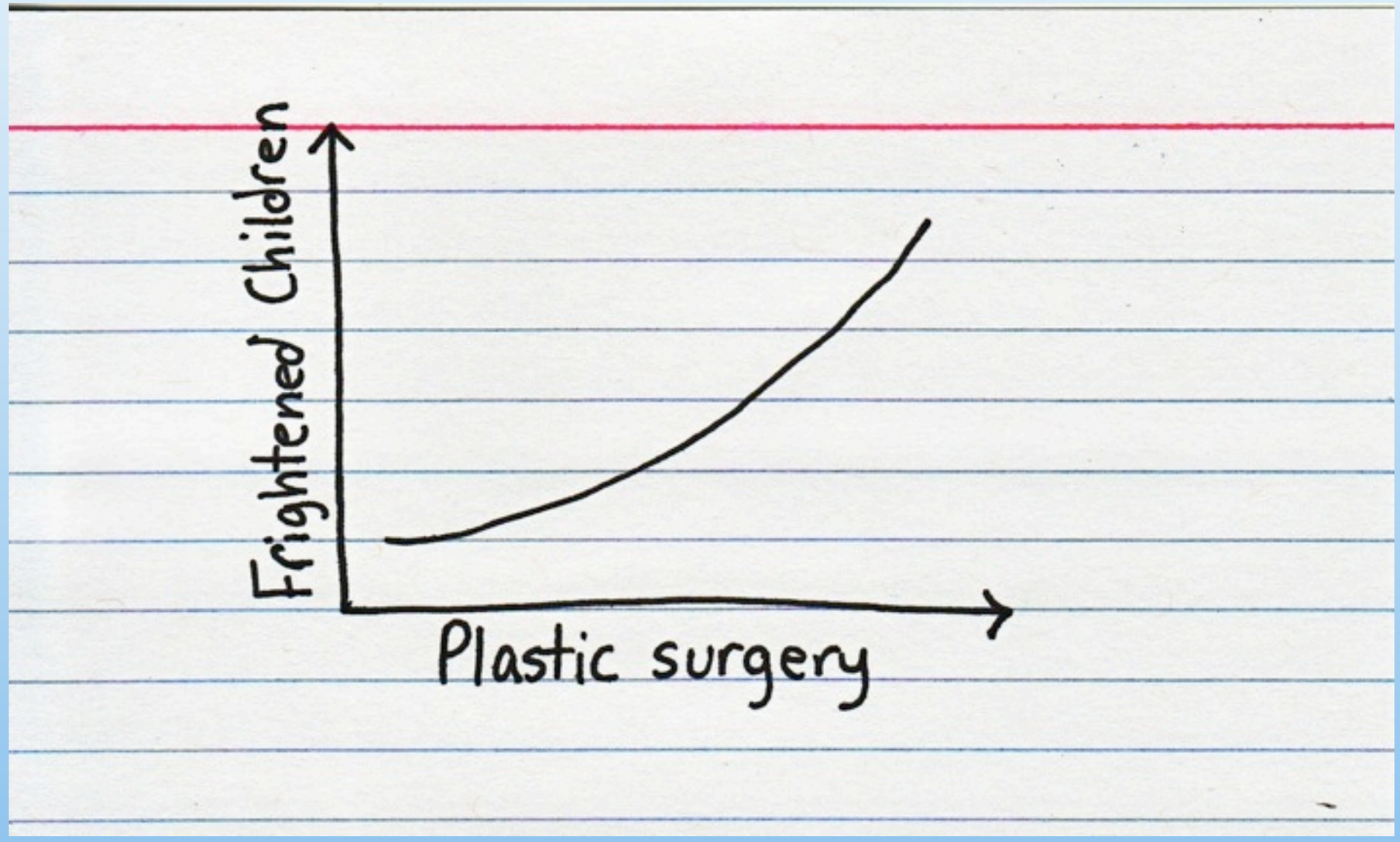

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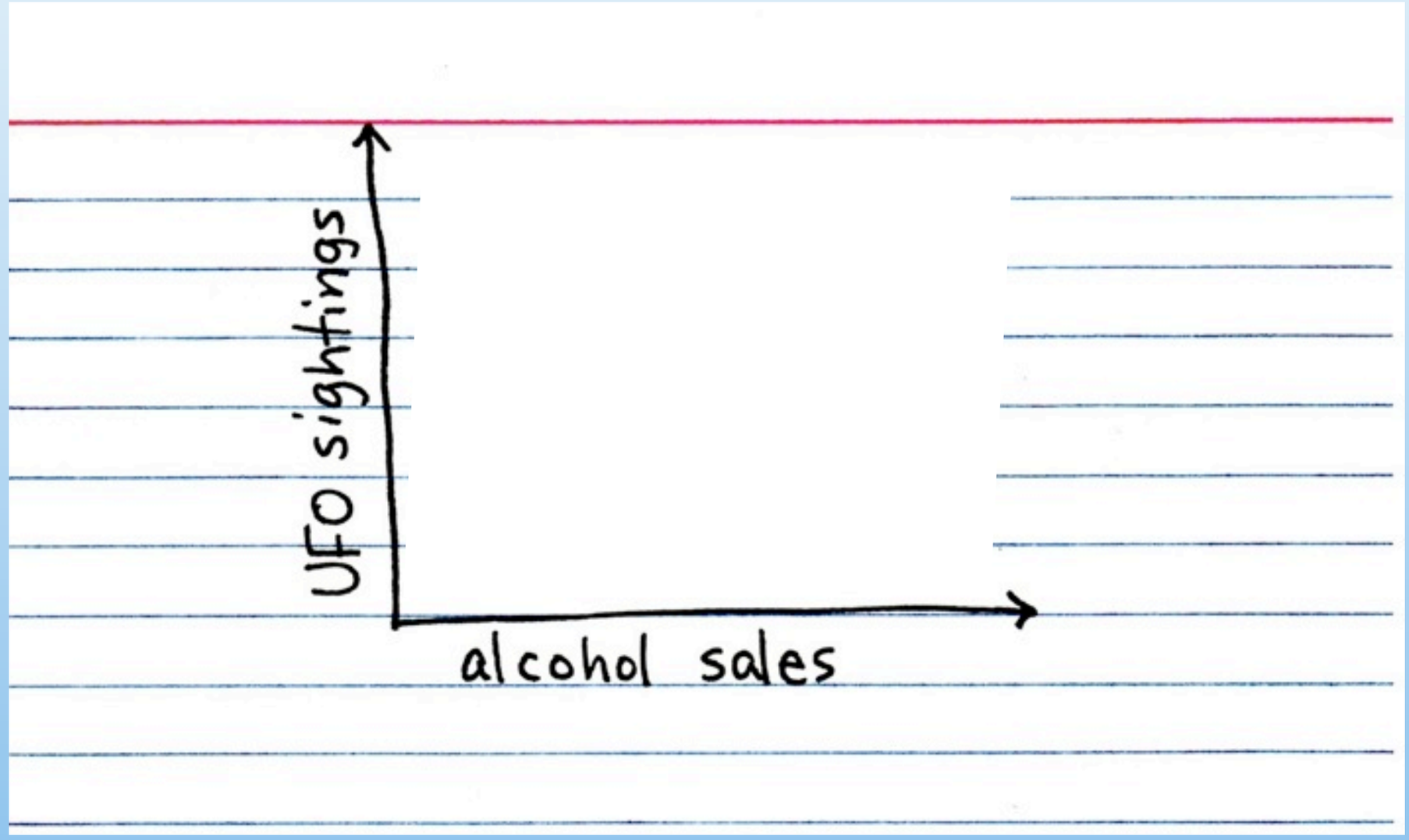

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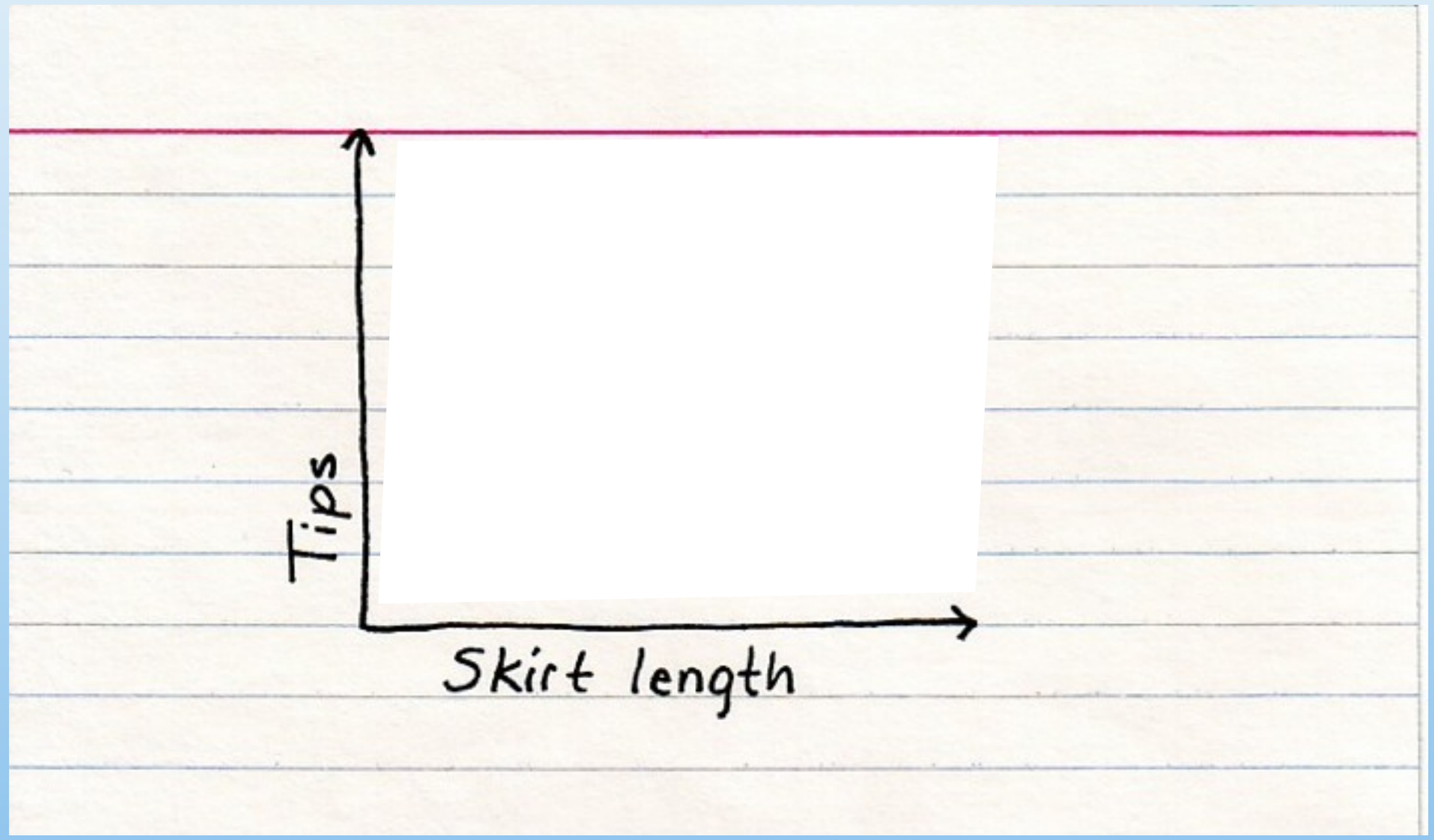

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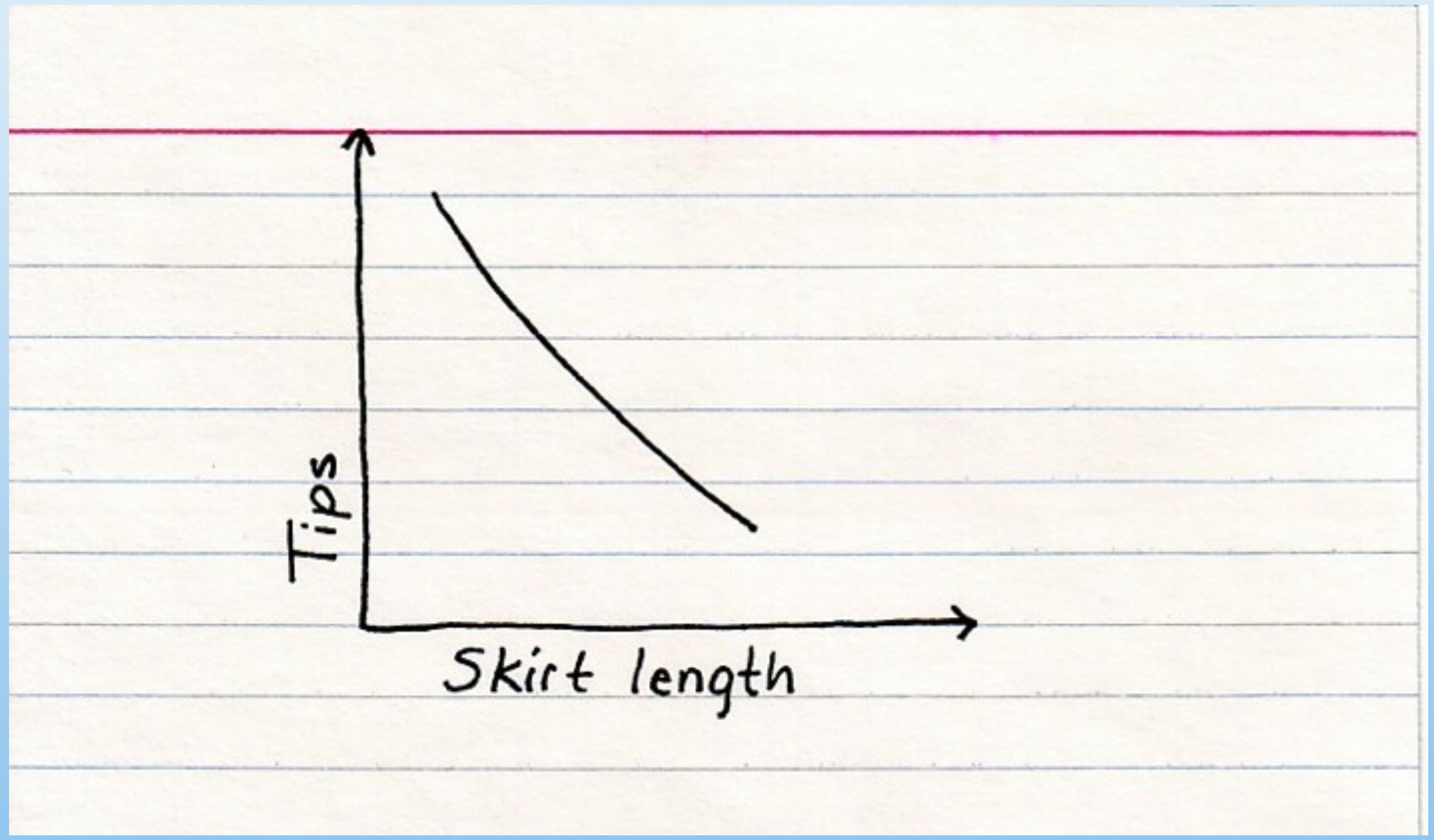

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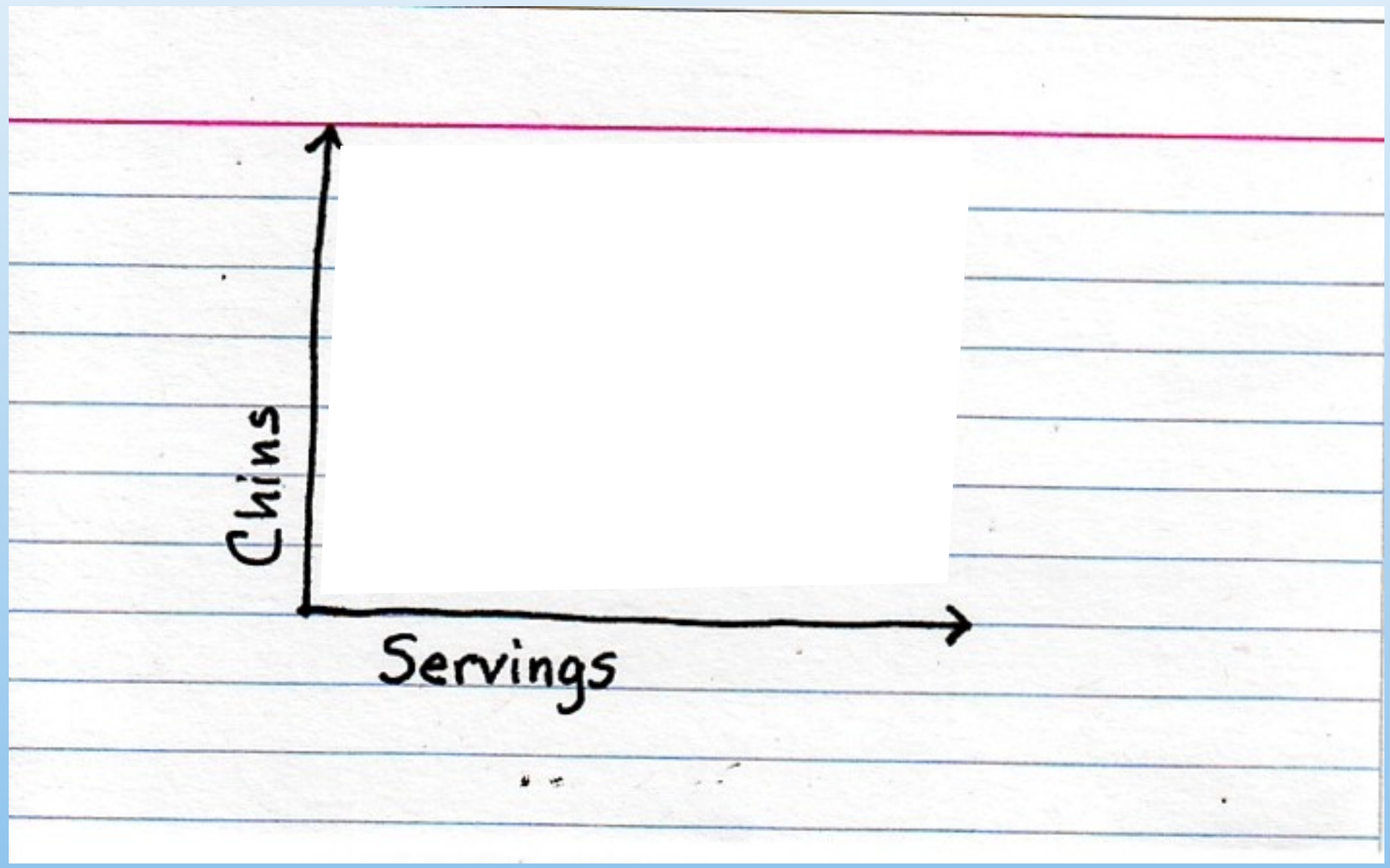

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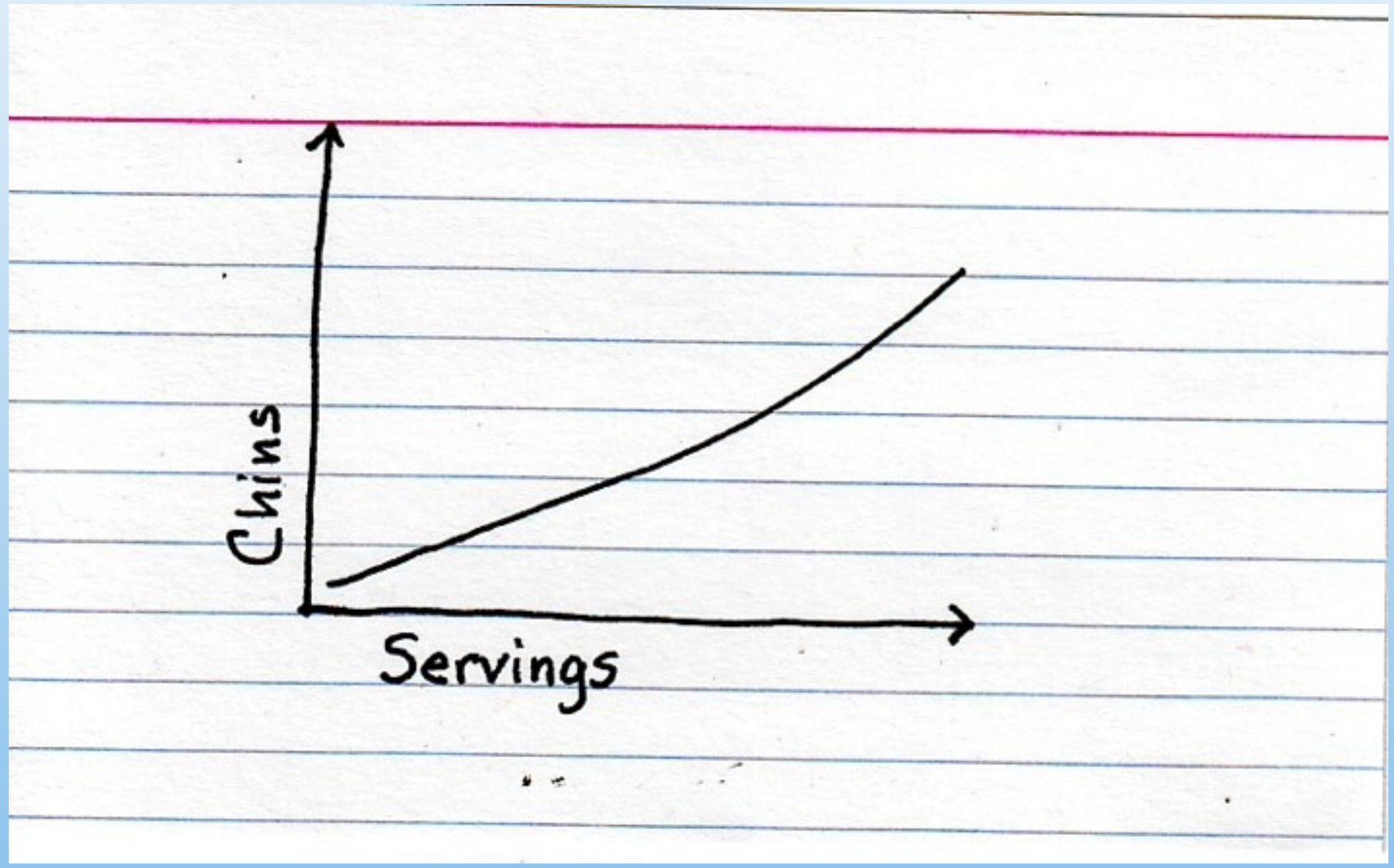

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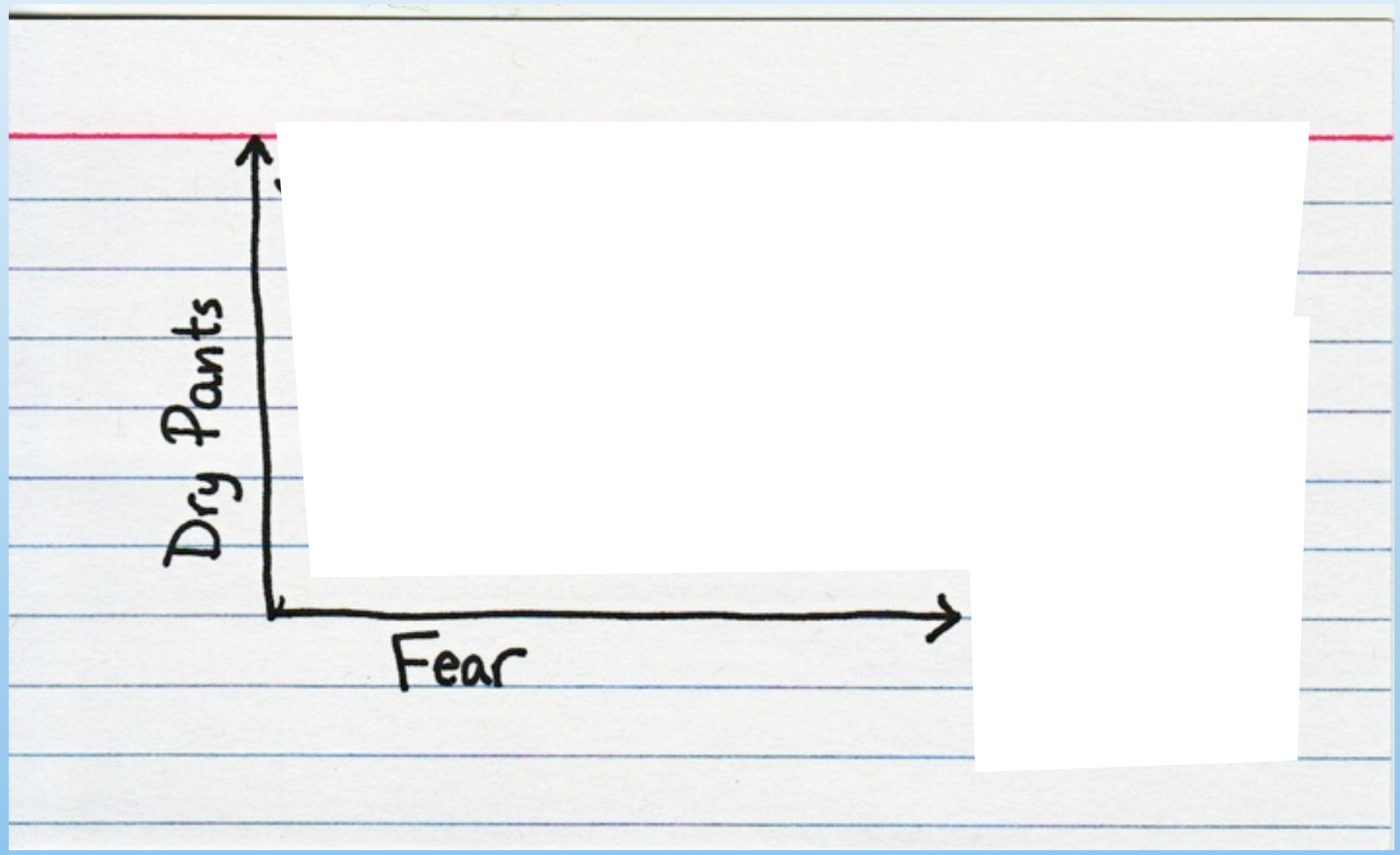

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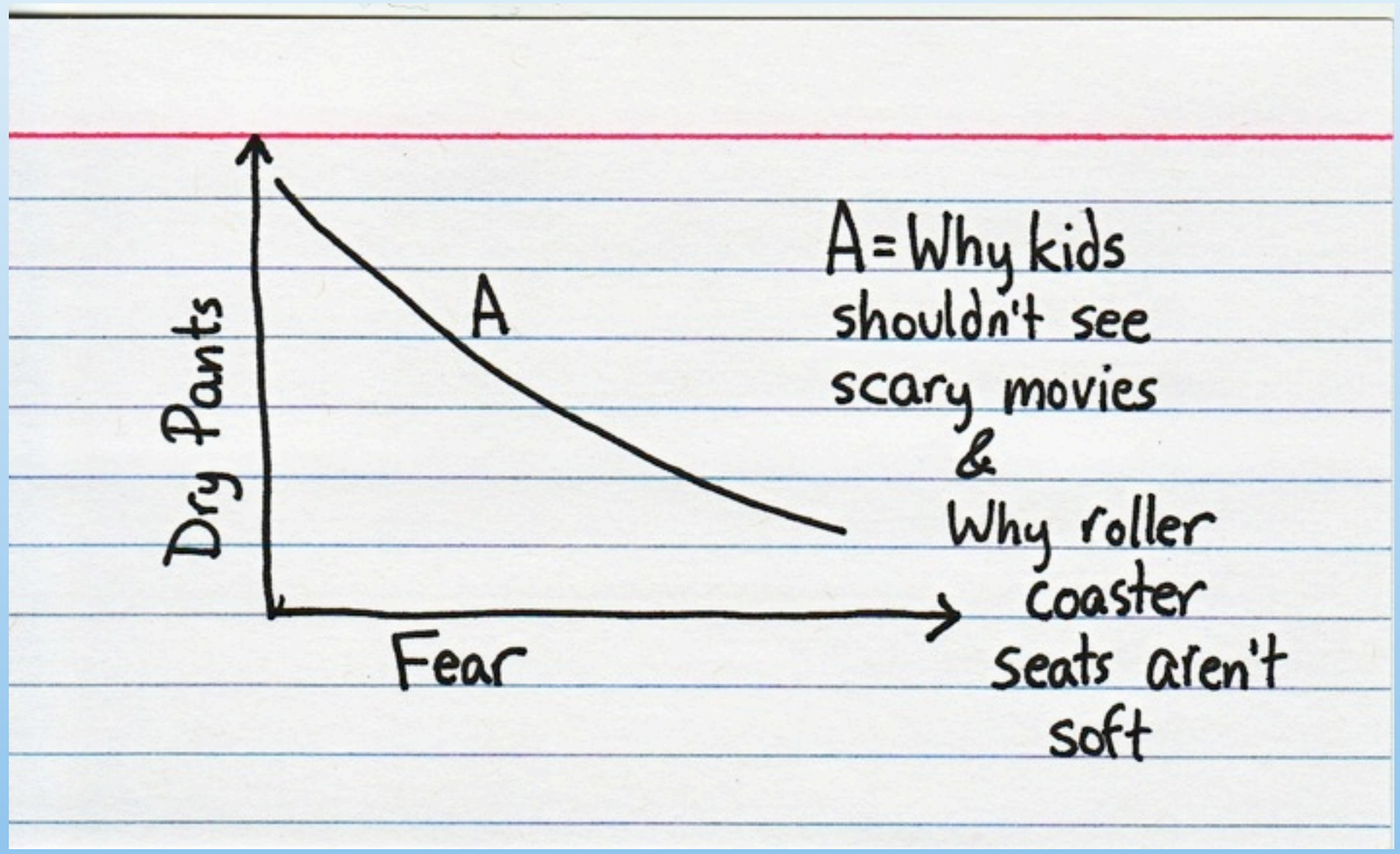

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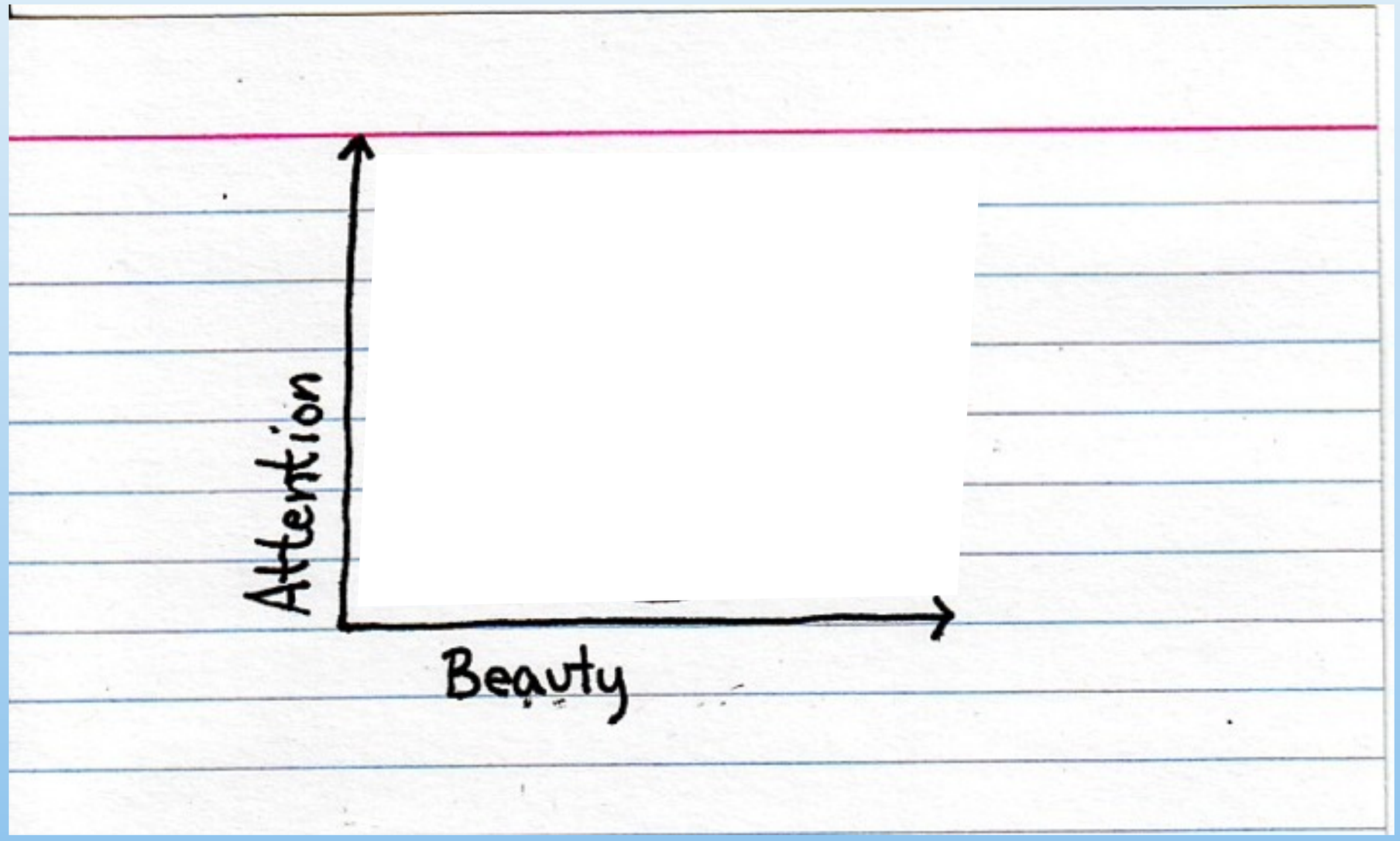

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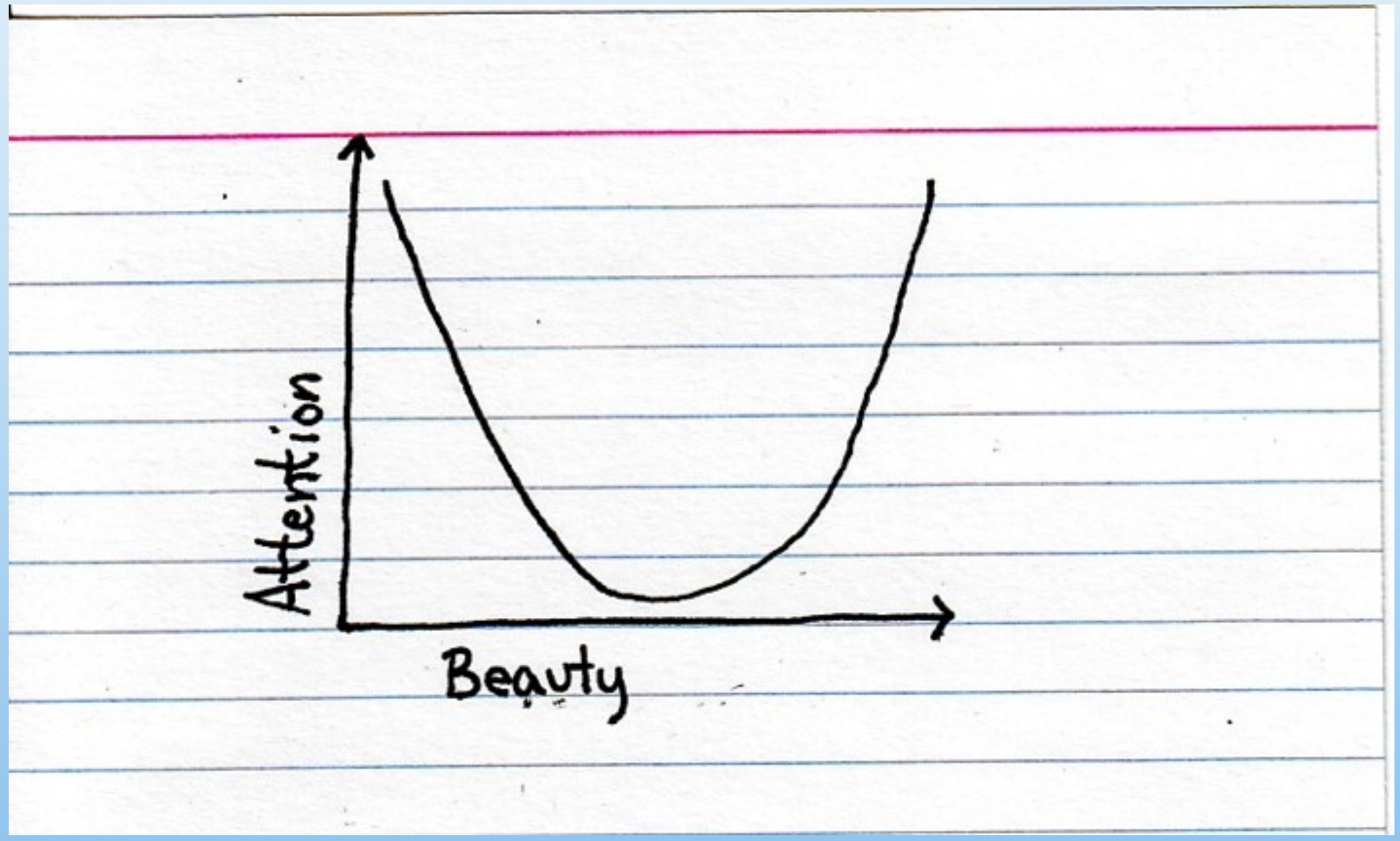

4. Distributing Exponentials

$$-5(a-3)$$

4. Distributing Exponentials

$$-5a^2(a^3-3)$$

4. Distributing Exponentials

$$4y^3(7y^6 + 8y^2 + 10)$$

4. Distributing Exponentials

$$-5x^2(4x^3 + 2x^2 - 3x + 2y + 4)$$

5. Classwork

5. Classwork

pg. 377 // #1 - 12 (choose 10)

5. Classwork

pg. 377 // #1 - 12 (choose 10)

6. Break

5. Classwork

pg. 377 // #1 - 12 (choose 10)

6. Break

7. Show and Tell

8. Distributing Exponentials

$$3x^3 - 12x^2 + 9x$$

8. Distributing Exponentials

$$6m^5 - 12m^3 + 27m^2$$

8. Distributing Exponentials

$$4y^4 + 8y^2 + 1$$

9. Classwork

9. Classwork

pg. 378 // #19 - 24

9. Classwork

pg. 378 // #19 - 24
pg. 378 // #34 - 39

10. Race Car Math

give a third-degree monomial

10. Race Car Math

give a fifth-degree trinomial

10. Race Car Math

give a zeroth-degree binomial

10. Race Car Math

east fan

10. Race Car Math

camera snot

10. Race Car Math

$$(3x^2 - 5x - 7) + (\qquad\qquad) = 0$$

10. Race Car Math

$$(2y^2 + 3y - 4) - (-5x^2 + x + 7) =$$

10. Race Car Math

$$(2h^4 - 5h^9) - (-8h^5 + h^{10}) =$$

10. Race Car Math

ale hen

10. Race Car Math

hence yen

10. Race Car Math

tack tea silly

10. Race Car Math

$$6y - 2 =$$

10. Race Car Math

$$10x^4 - 5x^2 + 15 =$$

10. Race Car Math

$$7y^5 - 1 =$$

10. Race Car Math

domains

10. Race Car Math

leach snort

10. Race Car Math

be i so

10. Race Car Math

$$-5q^2(4q + 3) =$$

10. Race Car Math

$$x^2(x+1) - x(x+1) =$$

10. Race Car Math

$$-1(-4y^2 + 3y + 7)$$