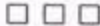


(d) Explain why phosphorus trichloride (PCl_3) is polar.

God made it that way.



PETER

1.21

40) Expand

$$(a+b)^n$$

$$= (a + b)^n$$

$$= (a + b)^n$$

$$= (a + b)^n$$

etc...

Very funny, Peter.

~~$a^2 + b^2 - 2$~~

2 ?
~~X~~

CHECKING IN (Answer on your own and hand in to your instructor)

The water of the earth's oceans stores lots of heat. An engineer designed an ocean liner that would extract heat from the ocean's waters at $T_h = 10^\circ\text{C}$ (283 K) and reject heat to the atmosphere at $T_l = 20^\circ\text{C}$ (293 K). He thought he had a good idea, but his boss fired him. Explain.

Because he slept with his boss' wife.

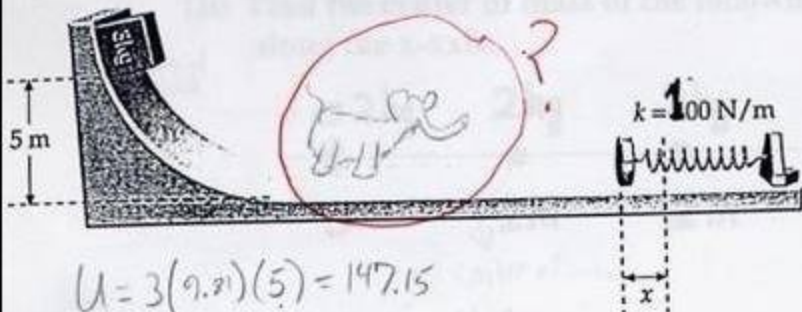
- Jethu
on beach!

2. A 3-kg object is released from rest at a height of 5m on a curved frictionless ramp. At the foot of the ramp is a spring of force constant $k = 100 \text{ N/m}$. The object slides down the ramp and into the spring, compressing it a distance x before coming to rest.

10

(a) Find x .

5 (b) Does the object continue to move after it comes to rest? If yes, how high will it go up the slope before it comes to rest?



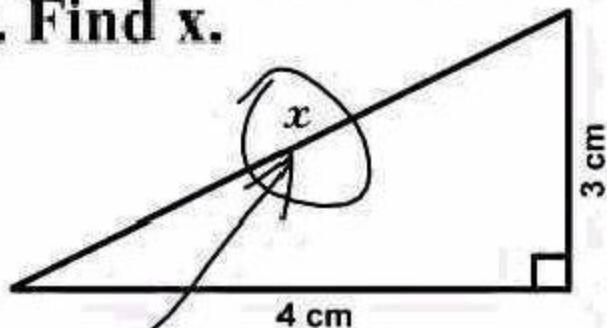
$$U = 3(9.81)(5) = 147.15$$

$$U_s = \frac{1}{2}(100)x^2 = 50x^2 \quad \dots ?$$

NO. there is an elephant in the way.

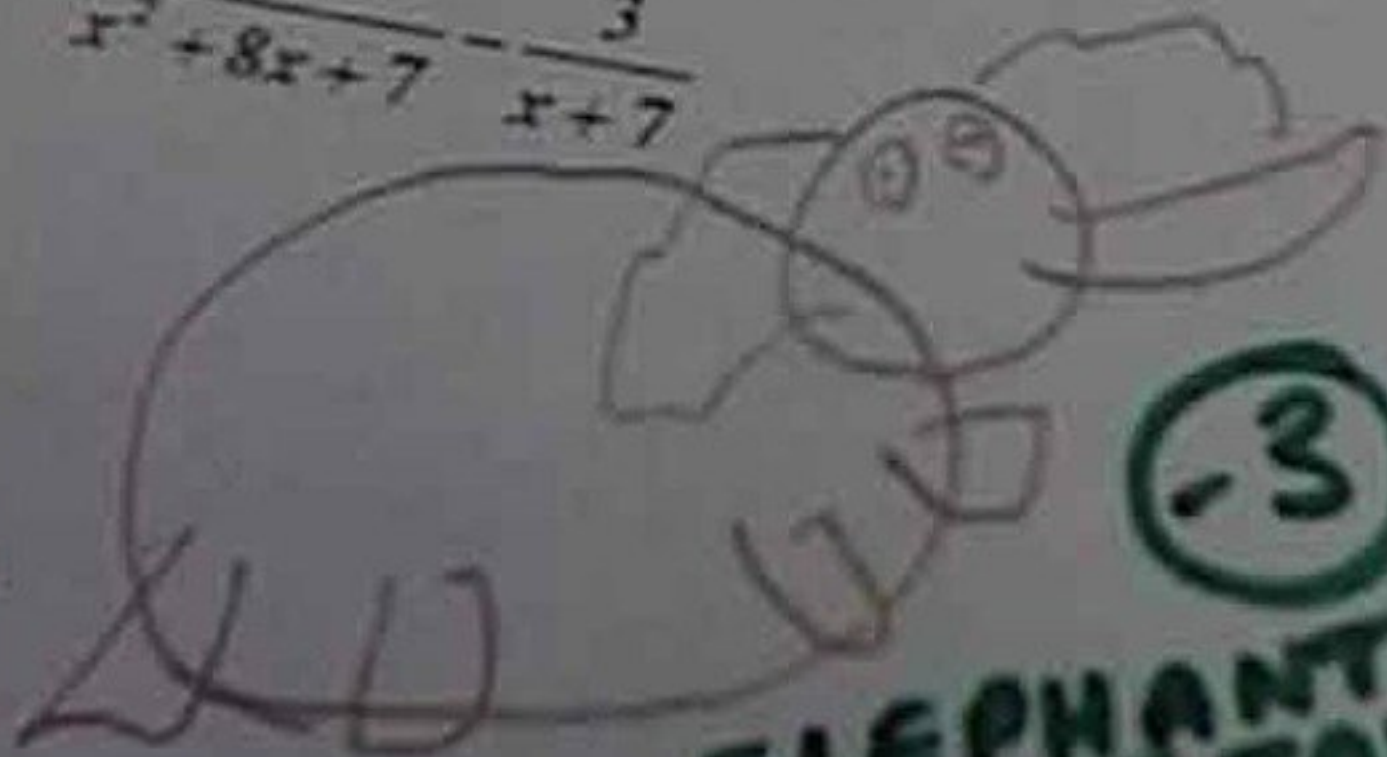


3. Find x .



Here it is

$$\frac{5x+17}{x^2+8x+7} - \frac{3}{x+7}$$



3

**ELEPHANTS
HAVE TAILS.**

I couldn't do this problem

because an elephant
was blocking it

Root Theorem to find

Three minute test:

- 1 Read everything before you do anything.
- 2 Put your name in the upper right hand corner of this page.
- 3 Circle the word 'name' in sentence two.
- 4 Draw five small squares in the top right-hand corner under your name.
- 5 Put an X in each square you have just drawn.
- 6 Put a circle around each square.
- 7 Sign your name under the title of this page.
- 8 After the title write 'yes yes yes'.
- 9 Underline sentences number seven and eight.
- 10 Put an X in the lower left-hand corner of this page.
- 11 Draw a triangle around the X you have just made.
- 12 On the back of this page multiply seventy by thirty.
- 13 Draw a circle around the word 'top' on sentence four.
- 14 Loudly call out your first name when you reach this point in the test.
- 15 If you think you have carefully followed these directions, tell a partner 'I have carefully followed the directions'.
- 16 On the reverse side of this paper add 107 and 278.
- 17 Count out in your normal speaking voice from one to ten.
- 18 If you are the first person to get this far, write your name on the board.
- 19 Punch three small holes in your paper with your pencil here . . .
- 20 Now that you have finished reading carefully, do only numbers one and two.

Pre-AP Pre-Calculus Award

Josh Hance

has been awarded the

The Bermuda Triangle Award

For most homeworks go "missing".

May 23, 2011

Mrs Azrai

2010-2011 Pre-AP Pre-Calculus Teacher