Grace &
Lucy
3-12

2f) {has, had, have} + past participle

forms perfect tense

a particular conjugation

has run present perfect
had run

to run

✓ past part.

run

to break, broken is past participle

had broken
has broken
have broken

52) namely → specifically both as definitions of transition words

Pre: 30 50 36 51 53 60
57 52 59 48 42

Same 5 recent (2018-2021) tests, unused,

55 58

55) $(x-30) \wedge 3$

March 2011 April 67F

51, 41, 48, 52, 53

55, 56

55) $P(x)$
$P(y)$

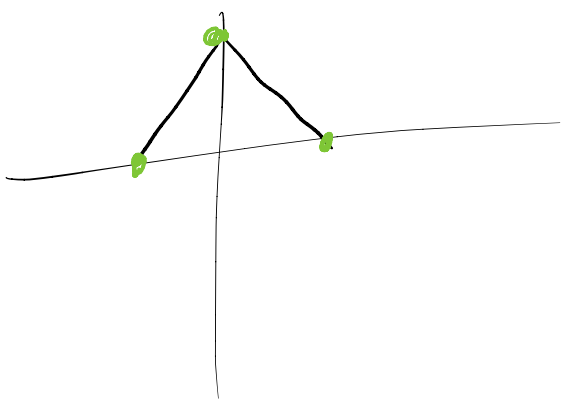
$P(x,y) = 4x+3y$

2 inputs = 1 output

Look at the vertices

$C = (4,0)$

$P = P(C) = P(4,0)$
$= 16$



The max and min of $P(x,y)$ are always at the vertices

56) $-2 \le x \le 4$
$0 \le y \le 5$ $\Rightarrow$ QI and QII

66) $a > b$, $(a-b) > a^2 - b^2 = (a+b)(a-b)$

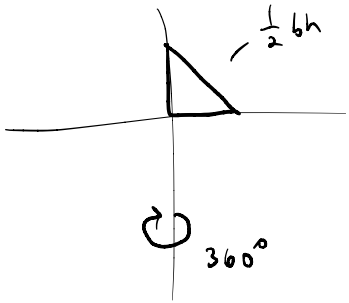
$(+)$ $(+)$
$(a-b) > (a+b)(a-b)$

$1 > a+b$

Take note of hints in the question, use all given information

(−) (−)
$(a-b) > (a+b)(a-b) <$

51) A cone wouldn't have a flat base



Calculus 2

What shape do you get when you rotate around y-axis 360°?

CONE

$V_{cylinder}$

$V = \frac{1}{3}\pi r^2 h$

Calculus allows you to add up area of infinite triangles for volume of cone

52) F

$3 \quad 4$

number theory 46) K $p < q$ Multiply by -1 $|p| < |q|$

$-p > -q$ $+p < +q$

If $p < q$ reciprocate both sides, raise to -1 power

$\frac{1}{p} > \frac{1}{q}$

Let $|p| = 3$, $|q| = 4$

$3 < 4$

but $-3 > -4$

p positive, q positive

$-p > -q$

p negative

q negative