What Did Lancelot Say To The Beautiful Ellen?

① For each right triangle, find the length of the side that is not given:

A 6 m, 10 m

B 7 m, 12 m

C 13 m, 8 m

D 11 m, 9 m
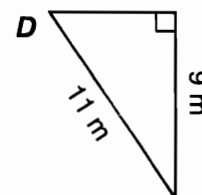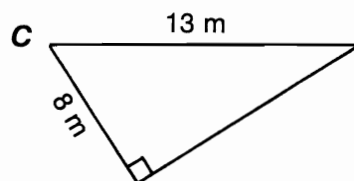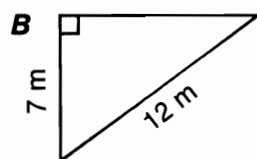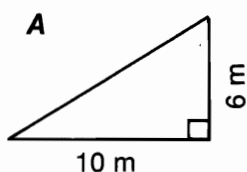
② The bases on a baseball diamond are 90 feet apart. How far is it from home plate to second base?

⑤ An 18-foot ladder is leaned against a wall. If the base of the ladder is 8 feet from the wall, how high up on the wall will the ladder reach?

③ Orgo has let out 50 meters of kite string when he observes that his kite is directly above Zorna. If Orgo is 35 meters from Zorna, how high is the kite?

50 m, 35 m
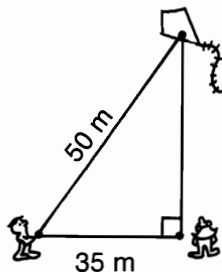
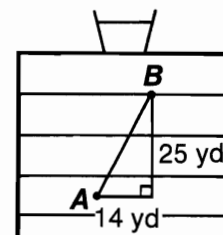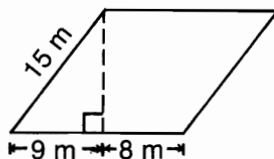⑥ A quarterback at point A throws the football to a receiver who catches it at point B. How long was the pass?
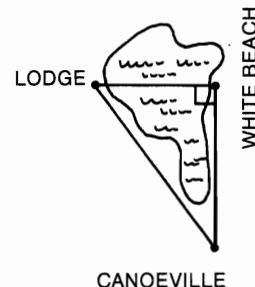
B, 25 yd, A, 14 yd

⑦ From Canoeville it is 2.4 kilometers to White Beach and 3.0 kilometers to the Lodge. How far is it from White Beach across the lake to the Lodge?

LODGE, WHITE BEACH, CANOEVILLE

④ A What is the height of this parallelogram?

B What is the area of the parallelogram?

15 m, ⊢9 m⊣⊢8 m⊣

ST	IC	KW	QU	IT	UR	AT	GR
$\sqrt{821}$ yd	$\sqrt{3.16}$ km	$\sqrt{144}$ m	$\sqrt{136}$ m	$\sqrt{3.24}$ km	$\sqrt{842}$ yd	$\sqrt{16200'}$	$\sqrt{95}$ m
$\doteq$ 28.7 yd	$\doteq$ 1.78 km	= 12 m	$\doteq$ 11.7 m	$\doteq$ 1.8 km	$\doteq$ 29.0 yd	$\doteq$ 127'	$\doteq$ 9.75 m
AB	EA	TC	UT	ER	EA	LN	GT
	$\sqrt{105}$ m	$\sqrt{260'}$	$\sqrt{275'}$		$\sqrt{1275}$ m	$\sqrt{1325}$ m	$\sqrt{40}$
234 m²	$\doteq$ 10.2 m	$\doteq$ 16.1'	$\doteq$ 16.6'	204 m²	$\doteq$ 35.7 m	$\doteq$ 36.4 m	$\doteq$ 6.32 m

DAFFYNITION DECODER

TO DECODE THESE THREE DAFFYNITIONS, FOLLOW THESE DIRECTIONS:

Simplify any expression below. Then evaluate the expression for the given value of the variable. Each time your answer appears in the code, write the letter of that exercise above it.

KEEP WORKING AND YOU WILL DECODE THESE THREE DEFT-NITIONS.

LAZY BUTCHER: _____

⁻49　121　12　6　14　⁻114　12　⁻12　121　⁻79

RUBBER RAFT: _____

48　14　12　41　⁻20　⁻28　⁻114　41

CORN SALESMAN: _____

10　6　12　14　⁻61　⁻20　⁻79　⁻114　⁻61　121　⁻79

$\textcircled{T}$ $6(3x - 5) - 9x$　if $x = 4$

$\textcircled{U}$ $4 - 8(^-2 - 6t)$　if $t = ^-1$

$\textcircled{Y}$ $^-3s + 2(^-5s + 1)$　if $s = ^-3$

$\textcircled{R}$ $^-7(x + 6) + 12$　if $x = 7$

$\textcircled{F}$ $4(8 + 5u) + 2u$　if $u = ^-2$

$\textcircled{S}$ $^-5 - 3(4 - r)$　if $r = 9$

$\textcircled{E}$ $7 - 6(^-8 + 2n) + n$　if $n = ^-6$

$\textcircled{P}$ $8x - 9x + 2(^-3x - 4)$　if $x = ^-8$

$\textcircled{K}$ $^-4(4 + 7y) + 5 + 3y$　if $y = 2$

$\textcircled{B}$ $5(^-m - 3) + 4m - 10$　if $m = ^-5$

$\textcircled{M}$ $^-1 + 9(4d - 2) - 6d$　if $d = ^-1$

$\textcircled{A}$ $6 - 2y - 6(^-3y + 7)$　if $y = 3$

$\textcircled{O}$ $^-8(9 + 2k) + 8k + k$　if $k = 6$

$\textcircled{L}$ $^-w - 5 + 5(^-5w + 9)$　if $w = 1$