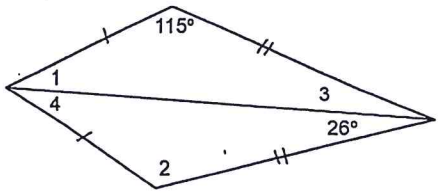
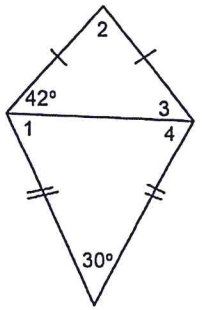
Geo Bellwork 2-1-20

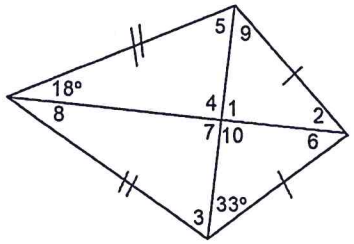
Find the missing angles in this kite.



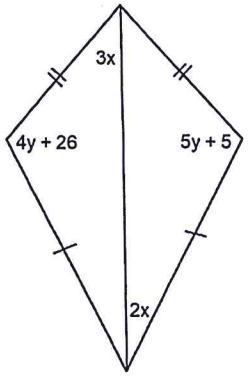
Find the missing angles in this kite.



Find the missing angles in this kite.

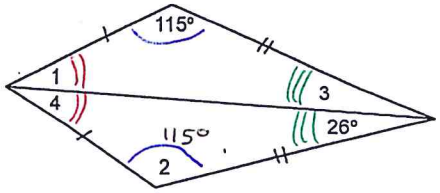


Find the values of the variables in this kite.



Geo Bellwork 2-1-20 Sec 6-3 ANSWERS

Find the missing angles in this kite.

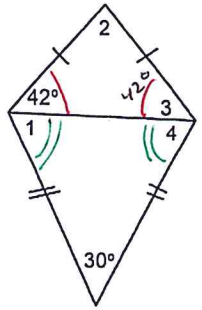


$\angle 1 = 39°$
$\angle 2 = 115°$
$\angle 3 = 26°$
$\angle 4 = 39°$

$\angle 1 \cong \angle 4$

$\angle 4 = 180 - 26 - 115 = 39°$

Find the missing angles in this kite.



$\angle 1 = \angle 4$

$180 = 30° + \angle 1 + \angle 4$

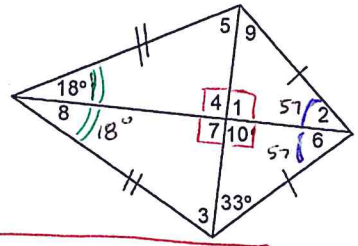
$150 = \angle 1 + \angle 4$

$\angle 1 \& \angle 4 = 75°$

$\angle 1 = 75°$
$\angle 2 = 96°$
$\angle 3 = 42°$
$\angle 4 = 75°$

$180° - 42° - 42° = 96°$

Find the missing angles in this kite.



$\angle 1 = \angle 4 = \angle 7 = \angle 10 = 90°$

$\angle 2 = 57°$ → $\angle 2 \cong \angle 6$

$\angle 3 = 72°$ → $180 - 90 - 18 = 72°$

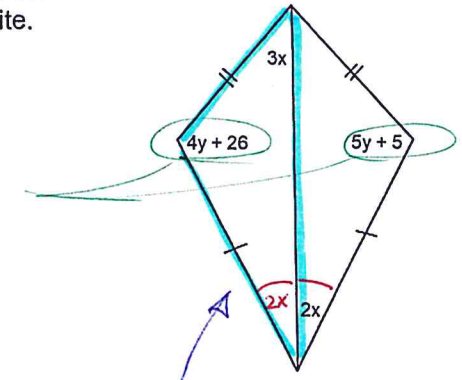
$\angle 5 = 72°$ → $180 - 90 - 18 = 72°$

$\angle 6 = 57°$ → $180 - 90 - 33 = 57°$

$\angle 8 = 18°$

$\angle 9 = 33°$ → $180 - 90 - 57°$

Find the values of the variables in this kite.



$4y + 26 = 5y + 5$
$-4y \quad -4y$
$26 = y + 5$
$-5 \quad -5$

$y = 21$

$3x + 2x + 4y + 26 = 180$

$5x + 4(21) + 26 = 180$

$5x + 110 = 180$
$-110 \quad -110$

$\frac{5x}{5} = \frac{70}{5}$

$x = 14$