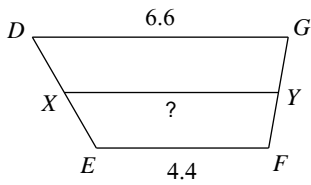


Corrective Assignment 5.6

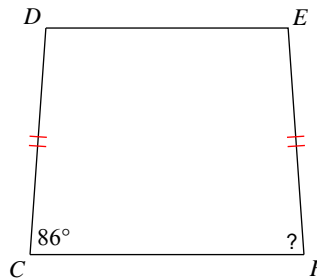
Find the length of the midsegment of each trapezoid.

Find the measurement of the angle indicated for each trapezoid.

1)

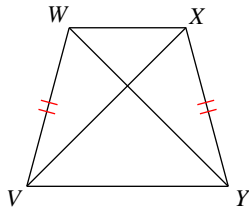


2)

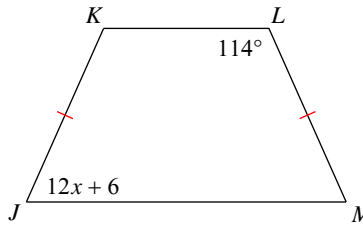


Solve for x . Each figure is a trapezoid.

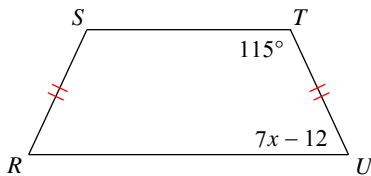
3) $WY = 21$
 $VX = 3x + 21$



4)

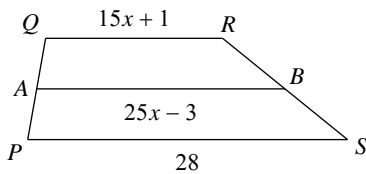


5)

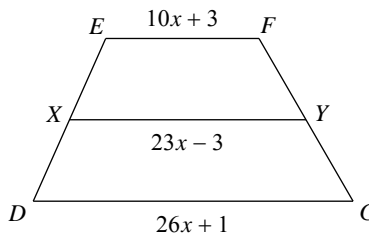


Find the length of the midsegment of each trapezoid.

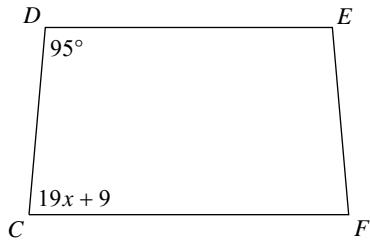
6)



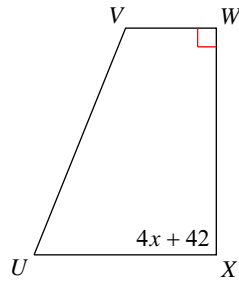
7)



8)

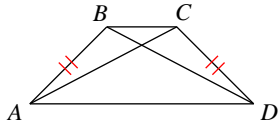


9)

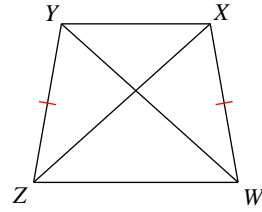


Find the length of the diagonal indicated for each trapezoid.

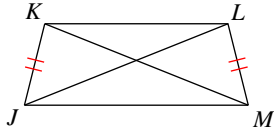
- 10) $BD = 4x - 9$
 $AC = 5x - 15$
 Find BD



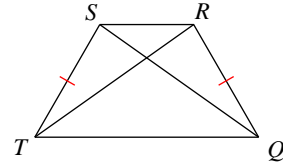
- 11) $ZX = 3x + 2$
 $YW = 2x + 5$
 Find ZX



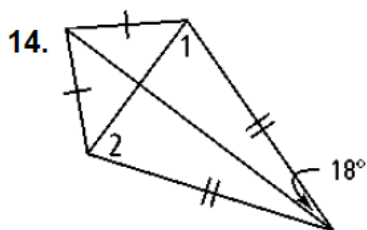
- 12) $KM = 2x$
 $JL = 4x - 14$
 Find KM



- 13) $SQ = 5x + 4$
 $TR = 9x - 12$
 Find SQ

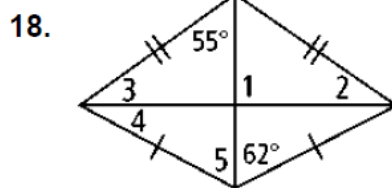
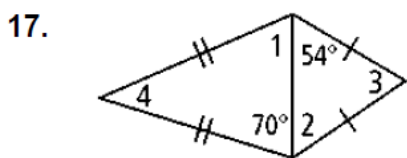
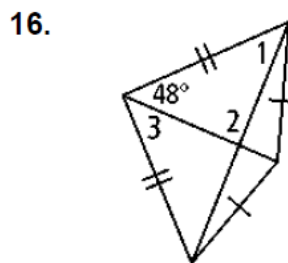
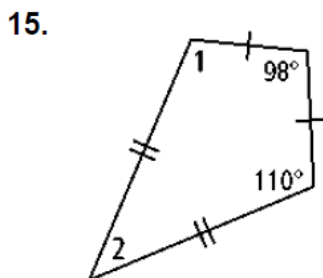


Find the measures of the numbered angles in each kite.



To start, since the diagonals of a kite are perpendicular and the angle measures of a triangle add up to 180, write an equation with $m\angle 1$.

$$m\angle 1 + \square + \square = 180$$

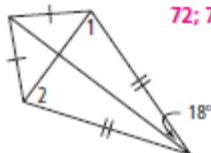


Answers to Corrective Assignment 5.6 (ID: 1)

- | | | | |
|--------|---------------|--------|--------|
| 1) 5.5 | 2) 86° | 3) 0 | 4) 5 |
| 5) 11 | 6) 22 | 7) 20 | 8) 4 |
| 9) 12 | 10) 15 | 11) 11 | 12) 14 |
| 13) 24 | | | |

Find the measures of the numbered angles in each kite.

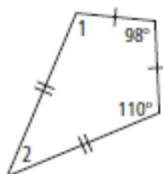
14. 72; 72



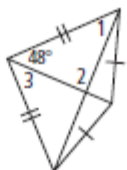
To start, since the diagonals of a kite are perpendicular and the angle measures of a triangle add up to 180, write an equation with $m\angle 1$.

$$m\angle 1 + \boxed{90} + \boxed{18} = 180$$

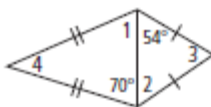
15. 110; 42



16. 42; 90; 48



17. 70; 54; 72; 40



18. 90; 35; 35; 28; 62

