Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet 6.5 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per: \_\_\_\_\_\_\_\_\_\_

Directions: Find the measures of each of the numbered angles in each isosceles trapezoid.



 m∠1 = 118°, m∠2 = 62° m∠1 = 99°, m∠2 = 81° m∠1 = 59°, m∠2 = 121°



m∠1 = 96°, m∠2 = 84° m∠1 = 101°, m∠2 = 79° m∠1 = 67°, m∠2 = 113°

Directions: Find the value(s) of the variable(s) in each isosceles trapezoid.



(7x – 13)°

(4x + 8)°

 9.

2y°

 x = 4 x = 16, y =116 x = 7, y = 72

Directions: Find the measures of the numbered angles in each kite.

m∠1 = 105.5°, m∠2 = 105.5° m∠1 = 90°, m∠2 = 25° m∠1 = 118°, m∠2 = 118°



m∠1 = 90°, m∠2 = 63°, m∠3 = 63° m∠1 = 107°, m∠2 = 107° m∠1 = 90°, m∠2 = 51°,

 m∠3 = 39°

Directions: Find the value(s) of the variable(s) in each kite.



 x = 8 x = 7 x = 28, y = 32

Directions: Find the missing information given that MD is a midsegment.

22



2

19. 20.



½

12

21. 22.

14

18

45

21