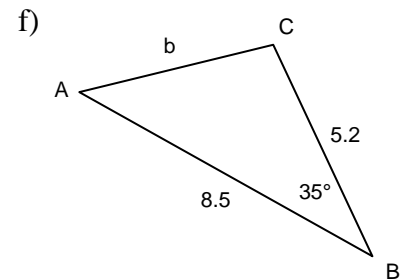
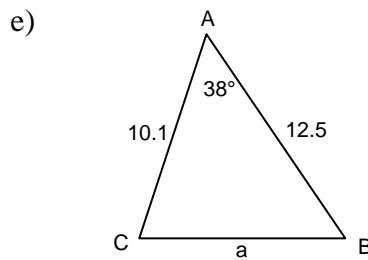
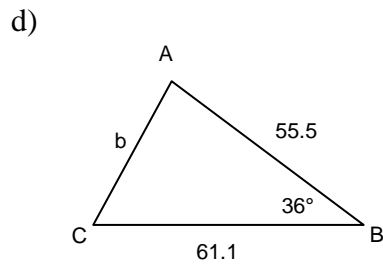
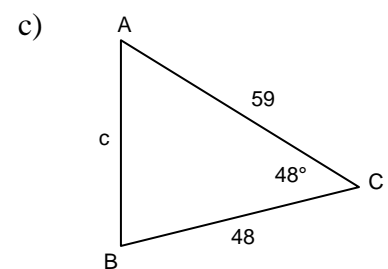
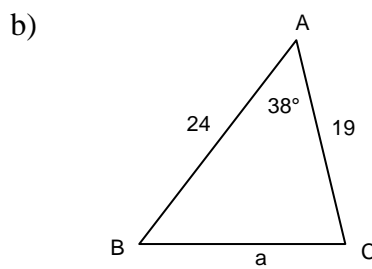
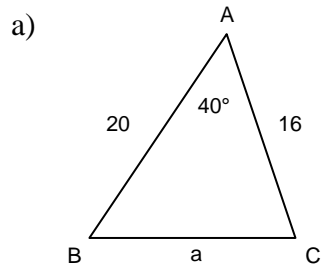
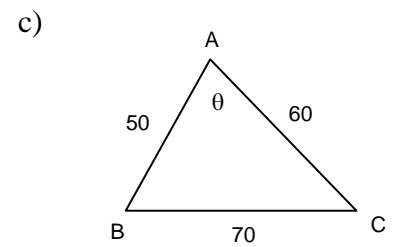
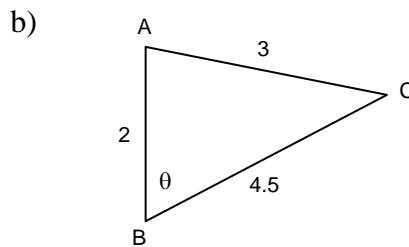
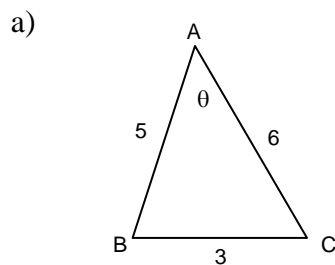
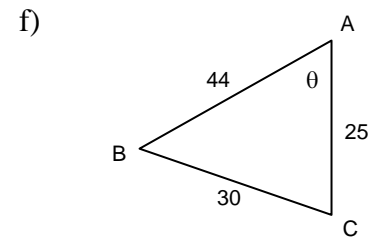
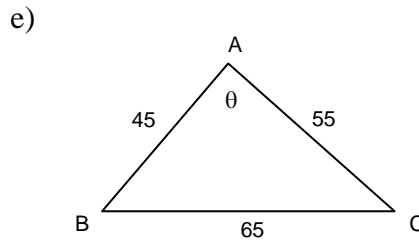
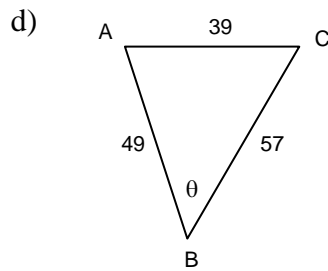


1. Determine the indicated length. *Round to 1 decimal place.*



2. Determine the indicated angle in each of the acute triangles below. *Round to 1 decimal place.*





3. In your notebooks, draw a diagram and then solve $\triangle ABC$. Round to 1 decimal place.

a) $a = 11.7$; $\angle B = 49^\circ$; $c = 10.8$

b) $a = 10$; $b = 11.7$; $c = 8.25$

c) $a = 11.3$; $b = 7.25$; $c = 12.6$

d) $a = 15.7$; $\angle B = 68^\circ$; $c = 18.5$

4. Find the areas of each of the triangles in Qu. #1 on the previous page. Round to 1 decimal place.

Answers:

-
1. a) 12.9 b) 14.8 c) 44.7 d) 36.4 e) 7.7 f) 5.2
 2. a) 29.9° b) 32.1° c) 78.5° d) 42.3° e) 80.4° f) 41.0°
 3. a) 9.4 ; 70.5° ; 60.5° b) 43.8° ; 57.1° ; 79.1° c) 34.8° ; 62.8° ; 82.5° d) 19.3 ; 49.1° ; 62.9°
 4. a) 102.8 b) 140.4 c) 1052.3 d) 996.6 e) 38.9 f) 12.7