

Answer Key for Practice Worksheet for Lesson 3-4 (part I)

1) $\triangle XCD$

2) $\triangle XYC$

3) $\triangle XYC$

4) $\triangle XYZ$

5) isosceles

6) obtuse

7) 60° or $m\angle 2$ or $m\angle 4$

8) sometimes

9) always

10) never

11) sometimes

12) a) $t = 6$, $t = 8$, $t = 10$

b) no; there is no value of t
that would make

$$3t = 5t - 12 = t + 20$$