

Answers to Chapter 3 Practice Test

1. $m\angle 2 = 97^\circ$

2. $m\angle 3 = 83^\circ$

What is $m\angle 1$?

3. $m\angle 4 = 112^\circ$

4. $m\angle 5 = 112^\circ$

5. $m\angle 6 = 68^\circ$

6. $m\angle 8 = 44^\circ$

7. $x = 24$; $m\angle 2 = 71^\circ$

8. $x = 22$; $y = 58$

9. $x = 8$; $m\angle 1 = 45^\circ$

10.

a. $m = \frac{9}{1}$ or 9;

b. $y = 9x - 21$;

c. parallel slope = 9;

d. perpendicular slope = $-\frac{1}{9}$

11. $x = 17$

12. $x = 12$

13. $x = 5$