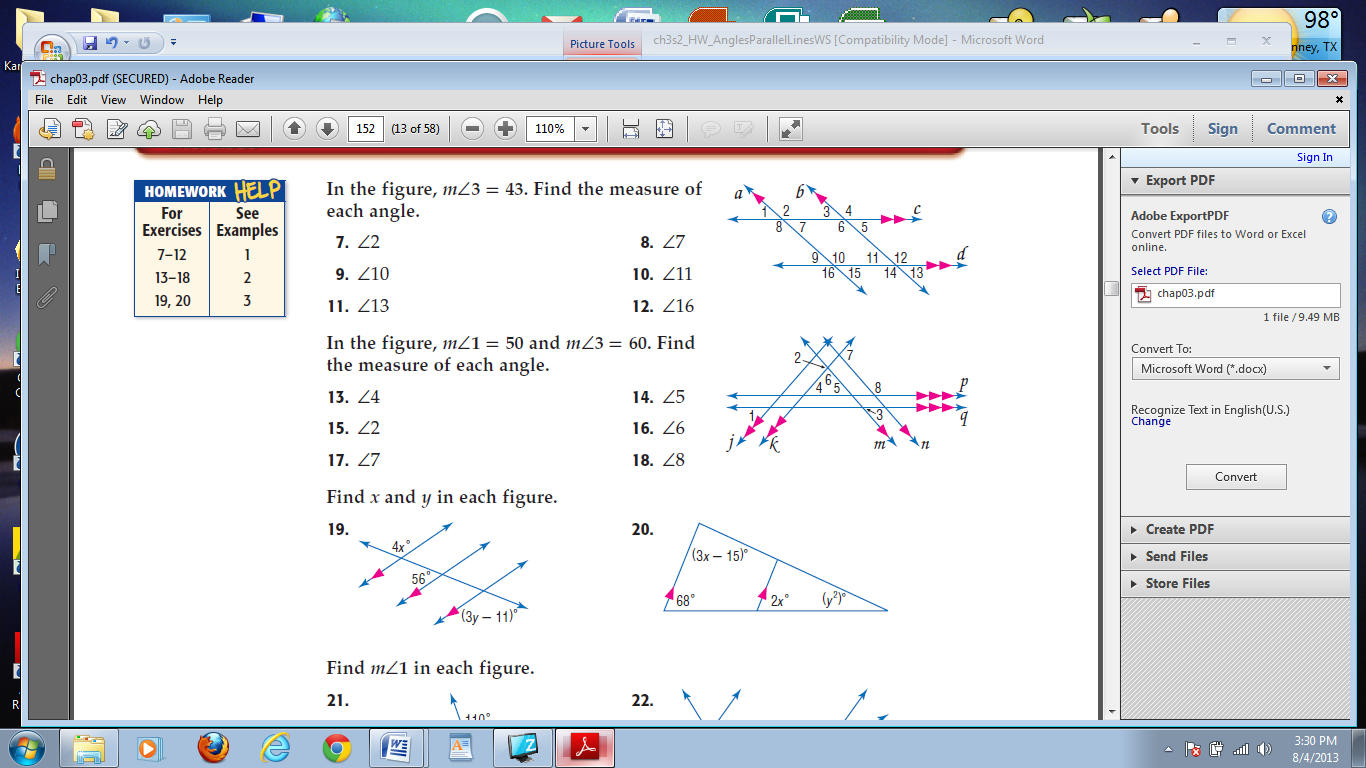
# Angles and Parallel Lines Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet

In the figure, m∠3 = 43. Find the measure of each angle.

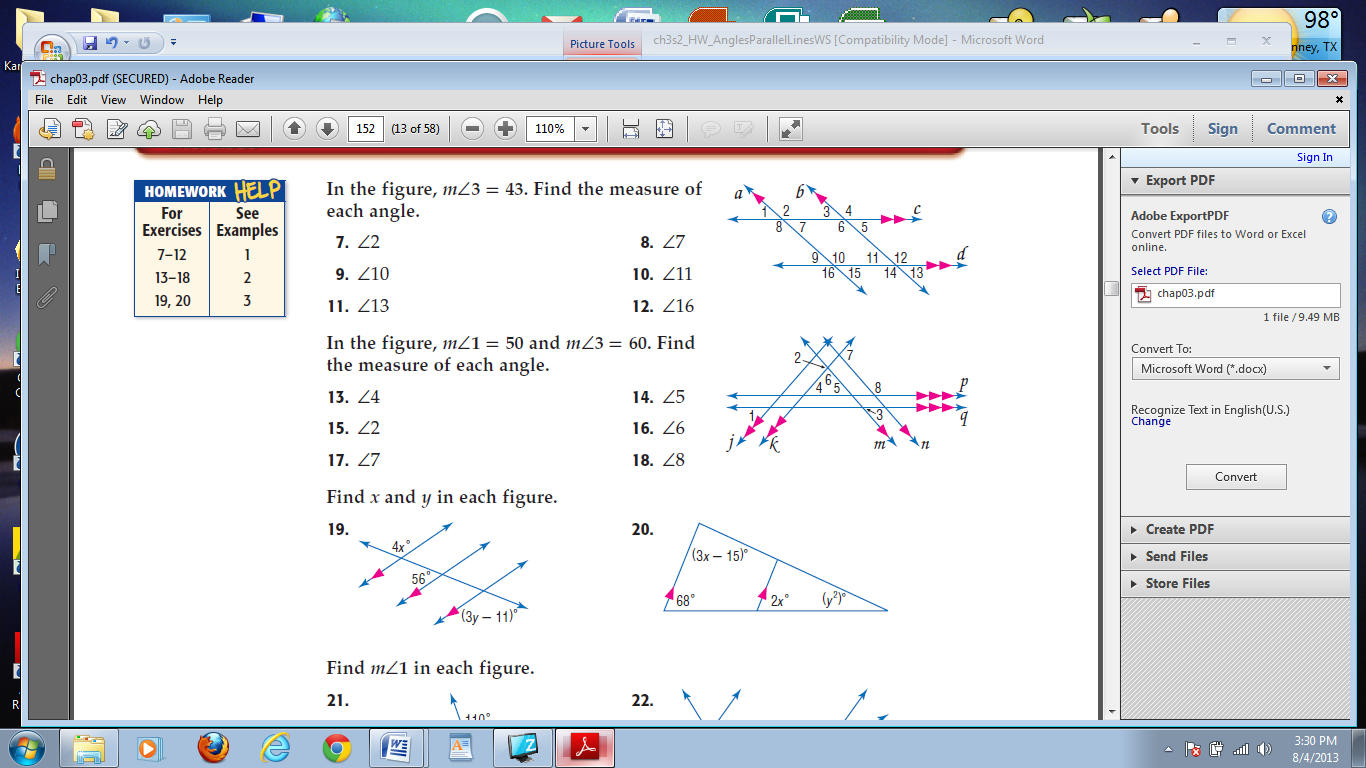


1. ∠2 2. ∠7

3. ∠10 4. ∠11

5. ∠13 6. ∠16

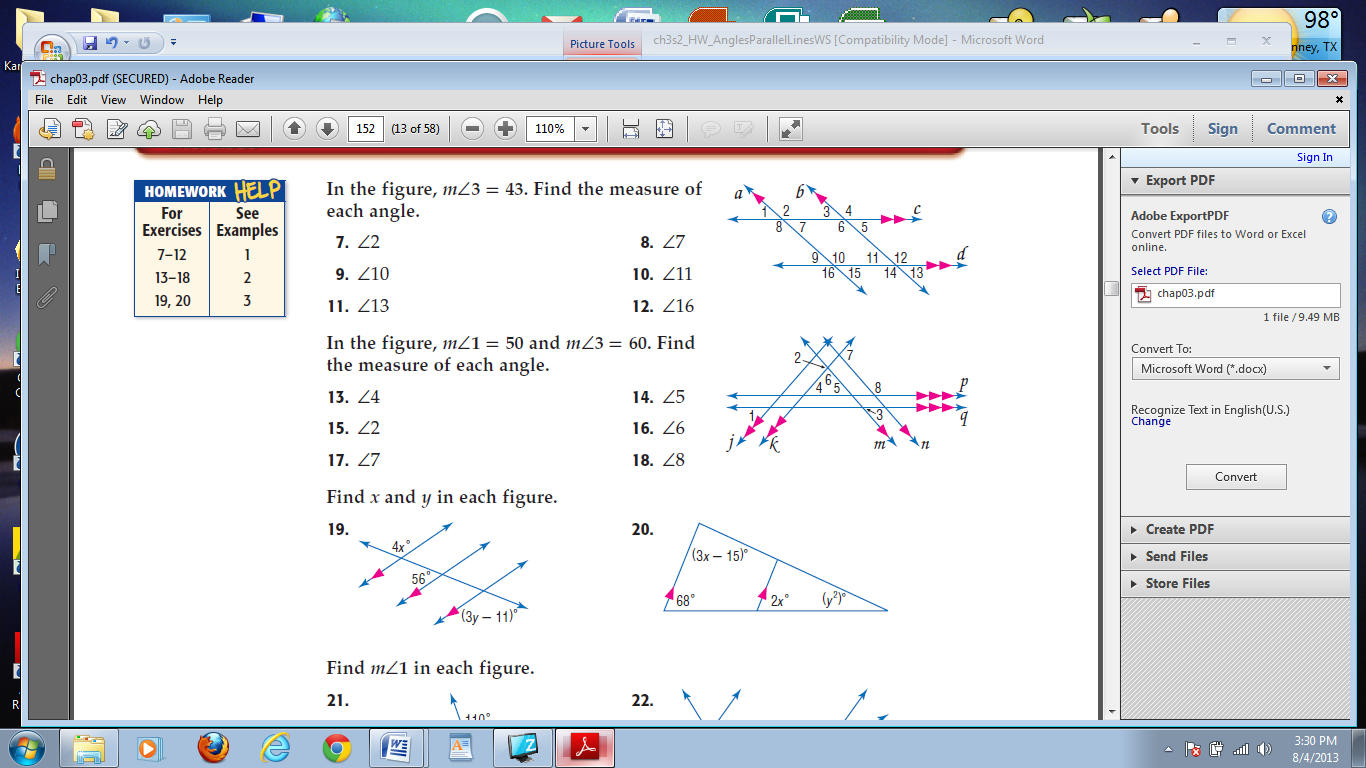
In the figure, m∠1 = 50 and m∠3 = 60. Find the measure of each angle.



7. ∠4 8. ∠5

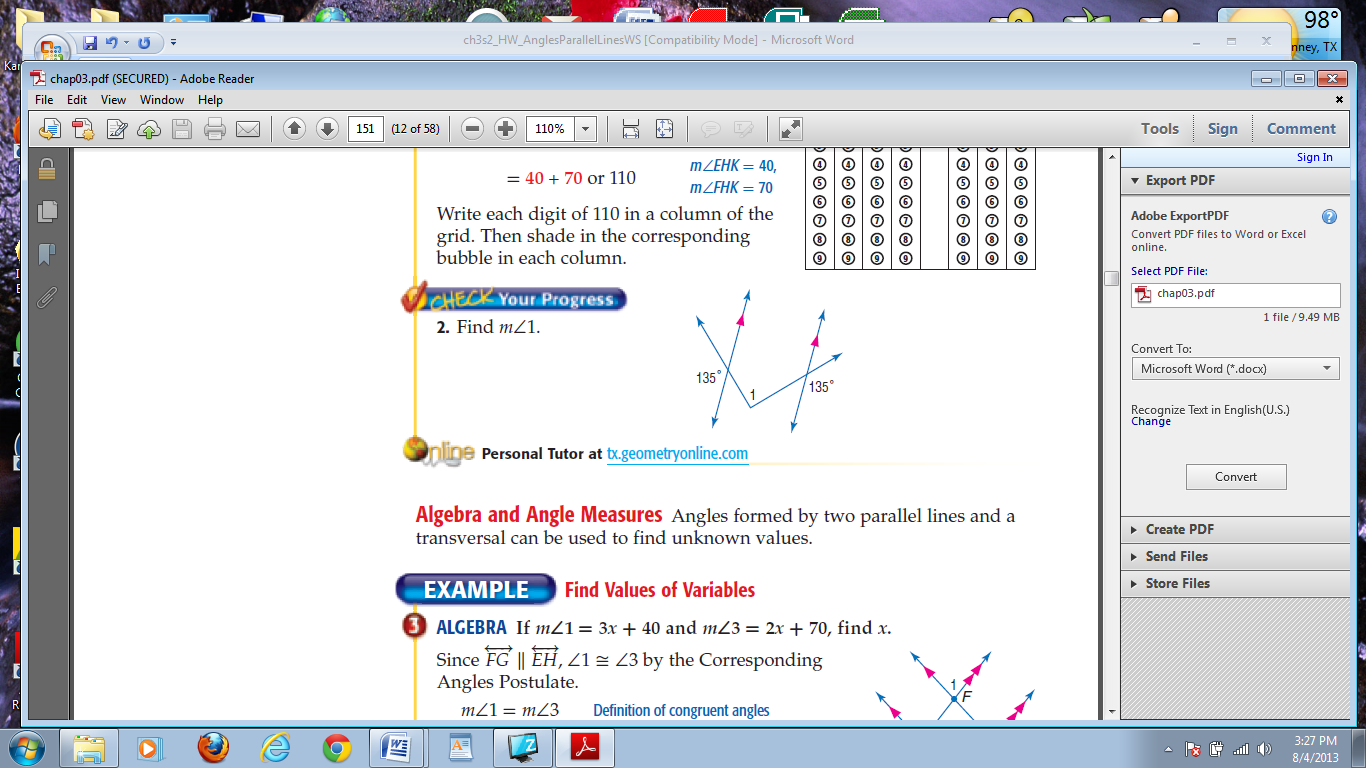
9. ∠2 10. ∠6

11. ∠7 12. ∠8

13. Find x and y. Show your work.

X = \_\_\_\_\_\_\_\_\_\_\_\_

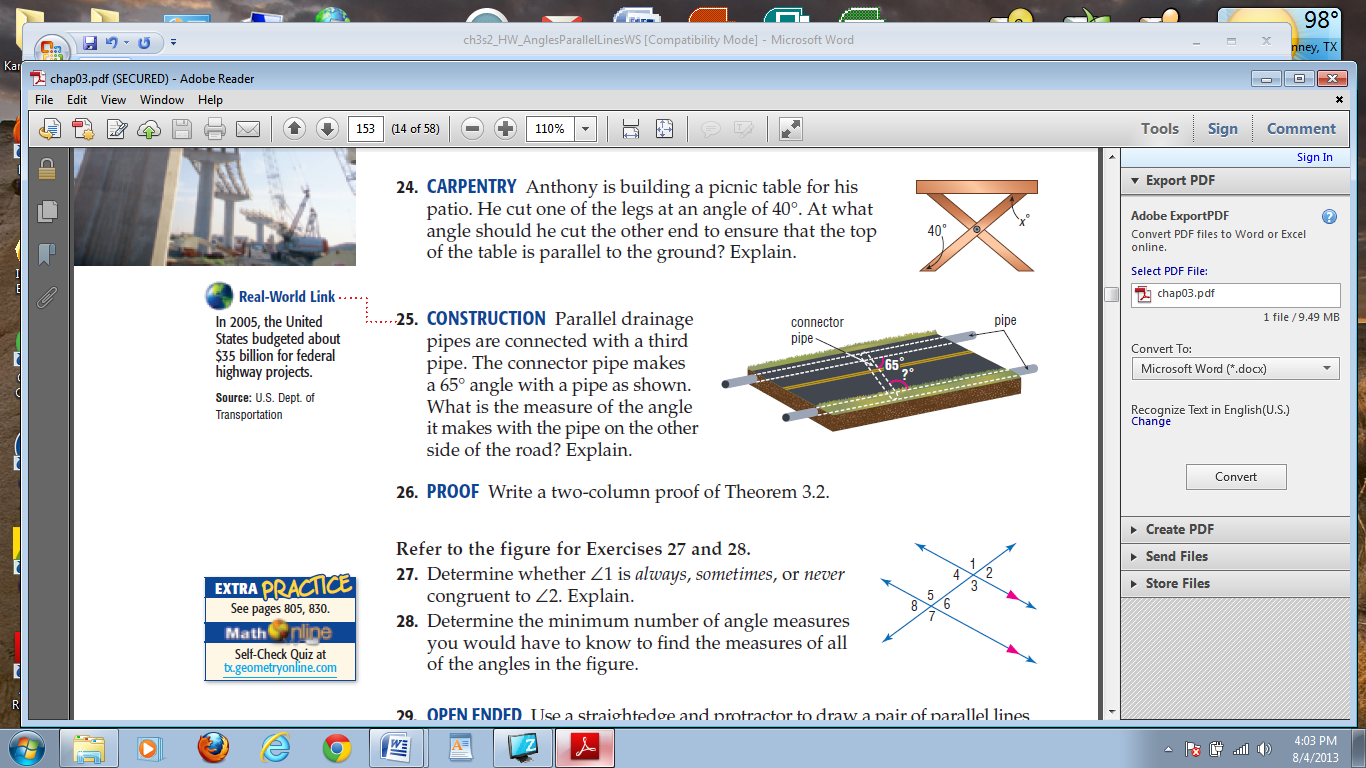
Y = \_\_\_\_\_\_\_\_\_\_\_\_

14. Find m∠1. Show your work.

m∠1 = \_\_\_\_\_\_\_\_\_\_\_\_\_



15. Parallel drainage pipes are connected with a third pipe.

 The connector pipe makes a 65° angle with a pipe as

shown. What is the measure of the angle it makes with

the pipe on the other side of the road? Explain.

Find the missing angles. Show your work.

16. m∠1 = \_\_\_\_\_\_\_\_\_\_ m∠2 = \_\_\_\_\_\_\_\_\_\_ 17. m∠1 = \_\_\_\_\_\_\_\_\_\_\_ m∠2 = \_\_\_\_\_\_\_\_\_\_

m∠3 = \_\_\_\_\_\_\_\_\_\_ m∠3 = \_\_\_\_\_\_\_\_\_\_\_ m∠4 = \_\_\_\_\_\_\_\_\_\_

**51°**

**137°**

1

2

3

m∠5 = \_\_\_\_\_\_\_\_\_\_\_

4

2

3

**37°**

**50°**

5

1

18. x = \_\_\_\_\_\_\_\_\_\_ 19. x = \_\_\_\_\_\_\_\_\_\_ 20. m∠1 = \_\_\_\_\_\_\_\_\_ m∠2 = \_\_\_\_\_\_\_\_

**140°**

**170°**

x°

m∠3 = \_\_\_\_\_\_\_\_\_ m∠4 = \_\_\_\_\_\_\_\_

(x2)°

(2x+35)°

 m∠5 = \_\_\_\_\_\_\_\_\_ m∠6 = \_\_\_\_\_\_\_\_

**40°**

**80°**

**70°**

1

2

3

4

5

6