

## 8CP Chapter 3 Practice Test

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

KEY:

- 1) Two angles that add to  $180^\circ$  example angles 1&2
- 2) Opposite angles are equal example angles 1&3
- 3) Share a side example angles 1 & 4
- 4) Slide- congruent example angles 2 & 5
- 5) Opposite sides of the transversal, inside parallel lines example angles 3 & 8
- 6) Opposite sides of the transversal, outside parallel lines example angles 1&6
- 7)  $180(n-2)$
- 8)  $360^\circ$
- 9)  $84^\circ$  alternate exterior to  $84^\circ$
- 10)  $96^\circ$  corresponding to angles 1 and supplement to  $84^\circ$
- 11)  $84^\circ$  corresponding to  $84^\circ$
- 12)  $96^\circ$  vertical to angle 5
- 13)  $16^\circ$
- 14)  $45^\circ$
- 15)  $224^\circ$
- 16)  $100^\circ, 200^\circ$
- 17)  $106^\circ$
- 18)  $30^\circ, 62^\circ, 98^\circ$
- 19)  $x = 43^\circ, y = 91^\circ$ , angles are not congruent, so triangles are not similar
- 20) 2,000ft
- 21) Ratio of corresponding sides is  $\frac{1}{2}$ , so triangles are similar
- 22) 7.5

