

## Geometry 5.2a Worksheet Answers

1. B – angle 1 and angle 2 are complementary so they should add up to be  $90^\circ$
2. B
3.  $x = 18$ ,  $\angle EFG = 90^\circ$
4.  $y = 6$ ,  $\angle CAD = 54^\circ$
5.  $z = 45^\circ$ ,  $\angle JKM = 45^\circ$
6. A and E
7. A, C, and D
8. A and D
9. A, and C
10. B and D
11. B and E
12.
  - a. Yes – Corresponding angles are congruent
  - b. No – There is not enough info
  - c. Yes – Lines  $t$  and  $s$  are perpendicular to the same transversal
13.
  - a. Yes – Answers may vary
  - b.  $45^\circ$
  - c. Yes, every small angle is  $45^\circ$