

Geometry 5.4 Review Worksheet Answers

1. $x = 58, y = 32, z = 58$

2. $x = 35, y = 25, z = 30$

3. B, C, D

4. A, C, E

5. $x = 60, y = 60, z = 45$

6. $x = 12, y = 13$

7. $x = 5.5, y = 19$

8. $x = 11, y = -7.5$

9.

Statements	Reasons
Line $a \parallel b$	Given
$\angle 1 \cong \angle 3$	Alternate Interior Angles Theorem
$\angle 1 = \angle 3$	Definition of congruent angles
$\angle 2 + \angle 3 = \angle 4$	Exterior Angles Theorem
$\angle 1 + \angle 2 = \angle 4$	Substitution Property