

Ch 3 Test Review Answers

1. B
2. D
3. A
4. Alt. Ext.
5. Alt. Int.
6. None of these
7. Consecutive or same side int.
8. Corresponding
9. C
10. A
11. Neither, slopes are $-5/4$ and $-4/5$
12. B – Perpendicular, slopes are $3/2$ and $-2/3$
13. $2x + 8 = 44$, $x = 18$
14. $-3x + 7 = 60$, $x = -53/3$ or -17.6667
15. $3x - 18 + 117 = 180$, $x = 27$
16. $4x + 39 = 139$, $x = 25$
17. A
18. D.

Part 2

1. Transversal is n , angles are corresponding
2. $2x + 4 > 12$, $x > 4$
3. D
4. Neither, the slopes are $-2/5$ and $-5/2$
5. $Y - 7 = 7(x - 4)$

Know your definitions:

Parallel Lines - Lines in the same plane that don't intersect

Parallel Plane– Planes that don't intersect

Skew – Lines that are not coplanar

Perpendicular Lines - Lines that intersect at 90°

Perpendicular bisector – a line perpendicular to a segment at the segment's midpoint