

Geometry 7.1a Worksheet Answers

1. Parallel; $\frac{8}{5} = \frac{12}{7.5}$, so the Converse of the Triangle proportionality Theorem applies.
2. Parallel; $\frac{20}{18} = \frac{25}{22.5}$, so the Converse of the Triangle Proportionality Theorem applies.
3. $x = 21$
4. $x = 32.5$
5. $x = 10$
6. $x = 10$
7. $x = 3, BD = \frac{8}{7} \approx 1.14$
8. $x = 6, WU = \frac{49}{3} \approx 16.3$
9. $x = 5$
10. $x = 8$
11. 600 ft