Geometry 8.3a Worksheet Answers

1. $x = 3\sqrt{5}$
2. $x = 6$
3. $y = 27$
4. $y = 2\sqrt{10}$
5. $z = \frac{729}{16} = 45\frac{9}{16}$
6. $x = 4\sqrt{3}$
7. Answers may vary
8. When using the altitude and parts of the hypotenuse, you must use both pieces of the large triangle's hypotenuse, $\frac{e}{d} = \frac{d}{g}$.
9. C
10. 1.1 ft
11. $a = 3$
12. $b = 1.5$
13. $x = 9, y = 15, z = 20$; Sum = 44