

# Geometry

## Section 7-3

### Selected Answers

12.) The tower is about 420.5 meters tall.

14.)  $\triangle ABE \sim \triangle CBD$

$$x = 7$$

$$AB = 10$$

$$CB = 6$$

$$\frac{AB}{CB} = \frac{EB}{DB}$$

$$\frac{x+3}{2x-8} = \frac{5}{3}$$

$$3(x+3) = 5(2x-8)$$

$$3x+9 = 10x-40$$

$$49 = 7x$$

$$7 = x$$

16.)  $\triangle ABD \sim \triangle FEC$

$$x = 2\frac{4}{5}$$

$$BD = 1\frac{4}{5}$$

$$EC = 4\frac{4}{5}$$