

Answers to MHS Right Angle Trig Practice (p. 429, 433-435)

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7. $X = 3.21$ units
8. 56.3 degrees
9. 701.73 square units
10. 2.75 units

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1. 6.95 units
2. 3.33 units
3. 9.44 units
4. $X = 15.51$ units
 $Y = 16.06$ units

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5. Higher guy wire = 39.75 m
Lower guy wire = 30.1 m
6. 120.17 m

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7. 104.3 m (or 104.4 m depending on rounding)
8. Altitude is 3775.33 m