

8.5 Multiple Choice #1-3 and Rev 8.4 #1-5

Example 1

Guided Practice

DIVING At a diving competition, a 6-foot-tall diver stands atop the 32-foot platform. The front edge of the platform projects 5 feet beyond the ends of the pool. The pool itself is 50 feet in length. A camera is set up at the opposite end of the pool even with the pool's edge. If the camera is angled so that its line of sight extends to the top of the diver's head, what is the camera's angle of elevation to the nearest degree?

- A. 37°
- B. 35°
- C. 40°
- D. 50°

8.5 Mult Choice Geo BLANK

Example 2

Guided Practice

Luisa is in a hot air balloon 30 feet above the ground. She sees the landing spot at an angle of depression of 34° . What is the horizontal distance between the hot air balloon and the landing spot to the nearest foot?

- A. 19 ft
- B. 20 ft
- C. 44 ft
- D. 58 ft

Example 3

Guided Practice

Madison looks out her second-floor window, which is 15 feet above the ground. She observes two parked cars. One car is parked along the curb directly in front of her window and the other car is parked directly across the street from the first car. The angles of depression of Madison's line of sight to the cars are 17° and 31° . Find the distance between the two cars to the nearest foot.

- A. 14 ft
- B. 24 ft
- C. 37 ft
- D. 49 ft

8.5 Mult Choice Geo BLANK

5-Minute Check

Over Lesson 8-4

1 Use a calculator to find $\tan 54^\circ$.

A. 0.6738

B. 0.7432

C. 0.8090

D. 1.3764

5-Minute Check

Over Lesson 8-4

2 Find $m\angle B$ to the nearest tenth of a degree if $\cos B = 0.8926$ and $\angle B$ is an acute angle.

A. 63.2

B. 26.8

C. 18.4

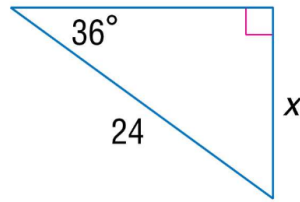
D. 0.999

8.5 Mult Choice Geo BLANK

5-Minute Check

Over Lesson 8-4

3 Find x . Round to the nearest tenth.

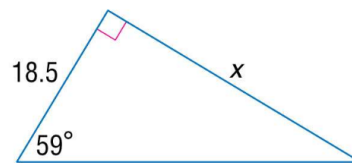


- A. 14.1
- B. 17.4
- C. 19.4
- D. 21.3

5-Minute Check

Over Lesson 8-4

4 Find x . Round to the nearest tenth.



- A. 9.5
- B. 15.9
- C. 23.7
- D. 30.8

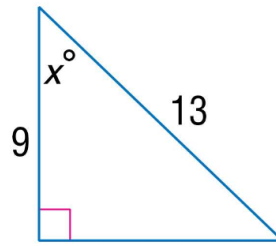
8.5 Mult Choice Geo BLANK

5-Minute Check

Over Lesson 8-4

- 5 Find x . Round to the nearest tenth.

- A. 34.7
- B. 43.8
- C. 46.2
- D. 52.5



TOC

8.5 Angles of Elevation and Depression

EVEN
PAGE

EQ: Can you solve problems using angles of elevation and depression?

Write 3 Questions for this section on the left page

1. How are you doing?

Write answer next to the Summary

- 1: I don't understand the material.
- 2: I understand a little.
- 3: I understand this material.
- 4: I could teach this to someone.

Summary: At least 3 sentences...

Write this now.