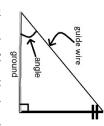
not be drawn to scale. The picture below shows a pole that is perpendicular to the ground, and it may



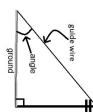
inches long, how tall is the pole to the nearest inch? The angle of the guide wire to the ground is 44 degrees. If the guide wire is 329

- 229 inches
- 223 inches
- b. 227 inches
- d 225 inches

geometree\_pt02\_nates.gwb-3/12-Fri Sep 22 2017 18:53:03

ExamView 3

not be drawn to scale. The picture below shows a pole that is perpendicular to the ground, and it may



The angle of the guide wire to the ground is 50 degrees. If the guide wire is in the ground 271 inches away from the base of the pole, how tall is the pole to the nearest inch?

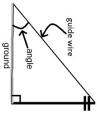
- a. 320 inchesb. 318 inches
- c. 324 inches d. 323 inches

ExamView

geometree\_pt02\_notes.gwb - 2/12 - Frl Sep 22 2017 18:51:22

not be drawn to scale. The picture below shows a pole that is perpendicular to the ground, and it may

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 a. 225 inches inches long, how tall is the pole to the nearest inch? The angle of the guide wire to the ground is 49 degrees. If the guide wire is 303 228 inches

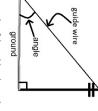
d. 229 inches

b. 224 inches

geometree\_pt02\_notes.gwb - 4/12 - Fri Sep 22 2017 18:55:21

ExamView

not be drawn to scale. The picture below shows a pole that is perpendicular to the ground, and it may

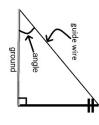


The angle of the guide wire to the ground is 45 degrees. If the guide wire is in the ground 189 inches away from the base of the pole, how tall is the pole to the

- nearest inch?
  a. 195 inches
  b. 189 inches
- c. 191 inches d. 192 inches

1

not be drawn to scale. The picture below shows a pole that is perpendicular to the ground, and it may



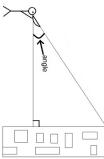
nearest inch? The guide wire is 323 inches long. If the angle of the guide wire to the ground is 48 degrees, how far from the base of the pole is the guide wire anchored to the

- a. 216 inchesb. 210 inches
- c. 212 inches d. 217 inches

geometree\_pt02\_notes.gwb - 7/12 - Fri Sep 22 2017 19:00:42

ExamView

The picture below may not be drawn to scale.



You are standing 49 feet away from the base of the building on level ground. As you look through an inclinometer to line up your sight to the top of the building, the angle on your tool reads 41 degrees. If your eye level is exactly 5 feet, how tall is the building to the nearest foot?

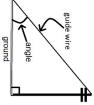
- a. 46 feetb. 43 feet
- c. 44 feetd. 48 feet

e\_pt02\_notes.gwb - 6/12 - Fri Sep 22 2017 18:58:09



not be drawn to scale. The picture below shows a pole that is perpendicular to the ground, and it may

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The guide wire is 293 inches long. If the angle of the guide wire to the ground is 35 degrees, how far from the base of the pole is the guide wire anchored to the

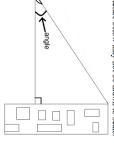
- nearest inch?
  a. 239 inches
- b. 240 inches

c. 243 inches d. 235 inches

ExamView

geometree\_pt02\_notes.gwb - 8/12 - Fri Sep 22 2017 19:02:36

The picture below may not be drawn to scale



You are standing 57 feet away from the base of the building on level ground. As you look through an inclinometer to line up your sight to the top of the building, the angle on your tool reads 49 degrees. If your eye level is exactly 5 feet, how tall is the building to the nearest foot?

- a. 69 feetb. 71 feet
- c. 66 feetd. 74 feet

2

The picture below may not be drawn to scale.



Your buddy, Steve, made a ramp for his bike. The height of the blocks is 19 inches, and the ramp is made of a 37-inch board. What is the measure on the incline angle to the nearest degree?

a. 25 degrees

- c. 30 degrees
- b. 35 degrees
- d. 31 degrees

geometree\_pt02\_notes.gwb - 11/12 - Fri Sep 22 2017 19:09:36



The picture below may not be drawn to scale.



Your buddy, Steve, wants to make a ramp for his bike. The height of the blocks is 15 inches, and he wants the incline angle to be 18 degrees. How long of a board will he need to the nearest inch?

- a. 55 inches
- b. 49 inches

c. 47 inches d. 46 inches

geometree\_pt02\_notes.gwb - 10/12 - Fri Sep 22 2017 19:05:51



The picture below may not be drawn to scale.



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Your buddy, Steve, made a ramp for his bike. The height of the blocks is 12 inches, and the ramp is made of a 24-inch board. What is the measure on the incline angle to the nearest degree?

- a. 35 degrees
- b. 29 degrees
  - c. 27 degrees

d. 30 degrees

ExamView

geometree\_pt02\_notes.gwb - 12/12 - Fri Sep 22 2017 19:12:21

The picture below may not be drawn to scale.



Your buddy, Steve, wants to make a ramp for his bike. The height of the blocks is 13 inches, and he wants the incline angle to be 17 degrees. How long of a board will he need to the nearest inch?

- a. 43 inches
- b. 49 inches
- c. 44 inches d. 40 inches

3