
5.3 The Law of Sines

1. Answers:

- a. ASA
- b. AAS
- c. neither
- d. ASA
- e. AAS
- f. AAS

2. Student answers will vary but they should notice that in both cases you know or can find an angle and the side across from it.

3. Answers:

- a. $\frac{\sin 11.7^\circ}{a} = \frac{\sin 144.5^\circ}{16}, a = 5.6$
- b. $\frac{\sin 41.3^\circ}{214.9} = \frac{\sin 39.7^\circ}{d}, d = 208.0$
- c. not enough information