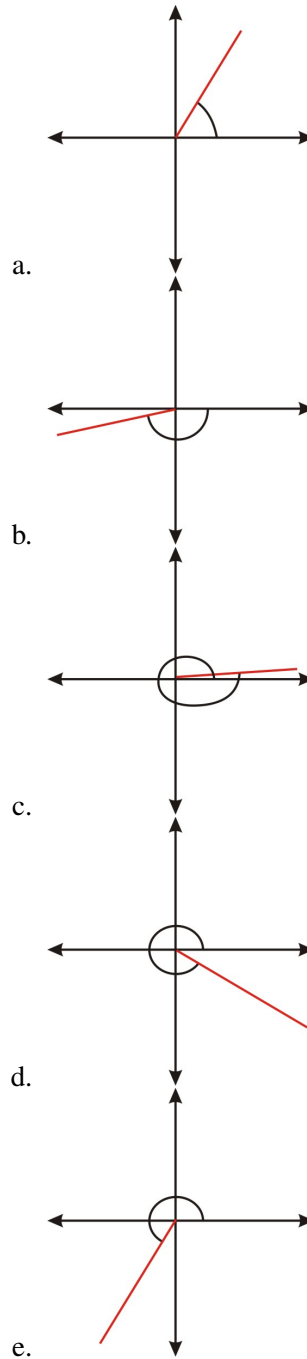


1.5 Measuring Rotation

1. Answers:



2. Answers will vary. Examples: 450° , -270°

3. Answers:

a. Answers will vary. Examples: -240° , 480°

b. Answers will vary. Examples: -45° , 675°

c. Answers will vary. Examples: 210° , -510° , 570°

4. The front wheel rotates more because it has a smaller diameter. It rotates 200 revolutions versus $66.\overline{67}$ revolutions for the back wheel, which is a $48,000^\circ$ difference $((200 - 66.\overline{6}) \cdot 360^\circ)$.