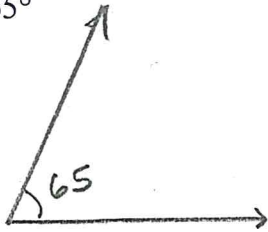


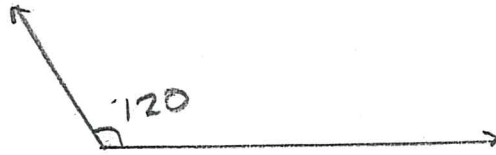
Answer Key

2. Using a ruler and a protractor, draw each of the following angles.

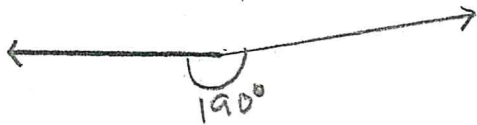
(a) 65°



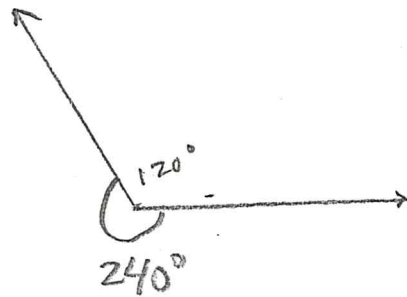
(b) 120°



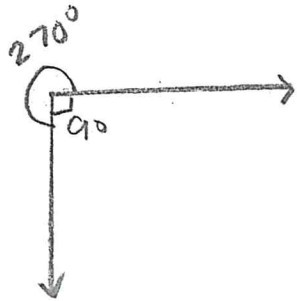
(c) $\frac{360}{170}$
 190°



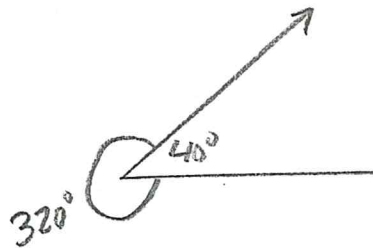
(d) $\frac{360}{120}$
 240°



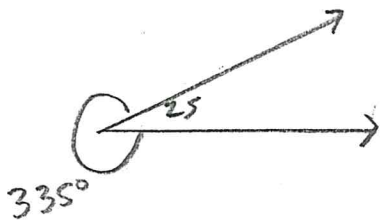
(e) $\frac{360}{9}$
 270°



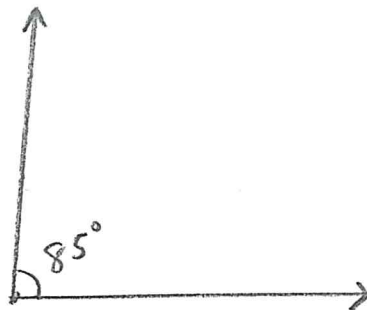
(f) 320°



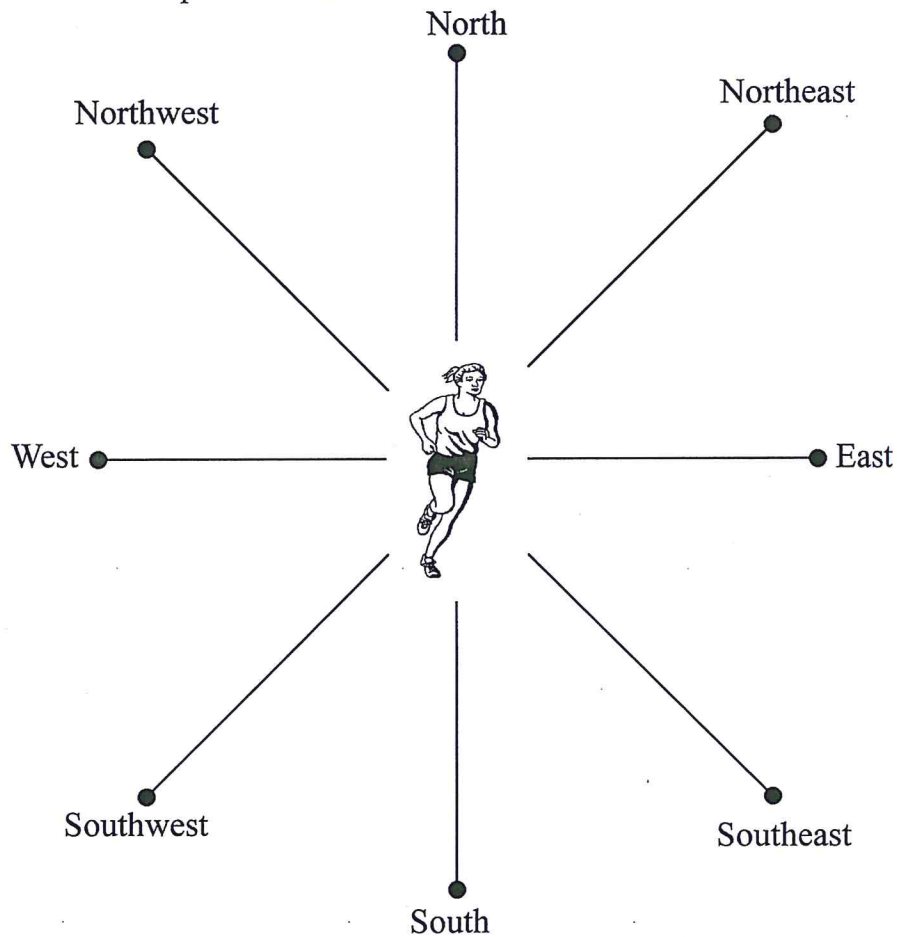
(g) $\frac{360}{25}$
 335°



(h) 85°

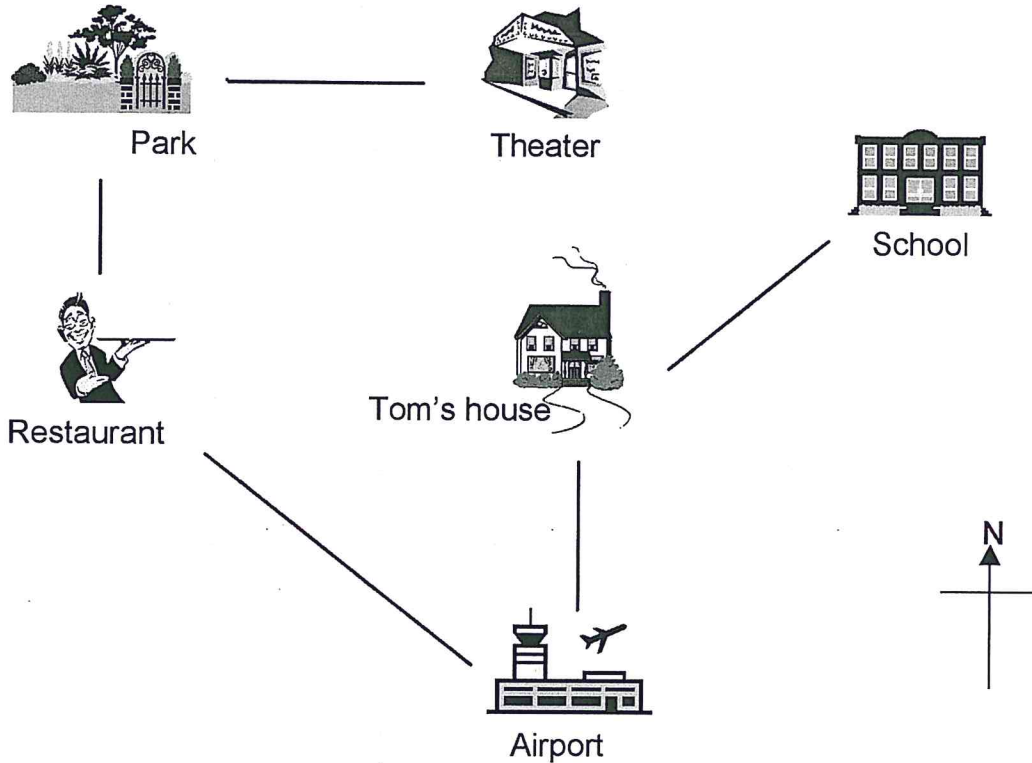


3. Answer the questions below.



- (a) The jogger is facing southeast. If she turns clockwise through 135° , which direction will she face? west
- (b) The jogger is facing west. She turns counterclockwise through 225° . Which direction is she facing? northeast
- (c) If the jogger faces northwest and turns to face the south, what angle has she turned through clockwise? 225°
- (d) If the jogger faces northeast and turns to face the northwest, what angle has she turned through counterclockwise? 90°
- (e) After turning clockwise through 180° , the jogger finds herself facing northeast. What direction was she facing at first? southwest
- (f) The jogger finally faces southwest after turning counterclockwise 315° . What direction was she facing at the start? south

4. Using the 8-point compass, complete the story below by filling in the blanks with the correct directions.



Tom woke up at 6 o'clock in the morning. He brushed his teeth, washed his face, took his breakfast and cycled northeast to school. After school, he cycled southwest back home. He took his lunch and completed his homework in the afternoon. His parents, together with him, drove south to the airport to pick up his aunt from Oregon. They then traveled northwest to a restaurant to have dinner together. After dinner, they took a walk in a park which is north of the restaurant. They finally drove east to a theater for a performance before going home.