

AW 10 5.1

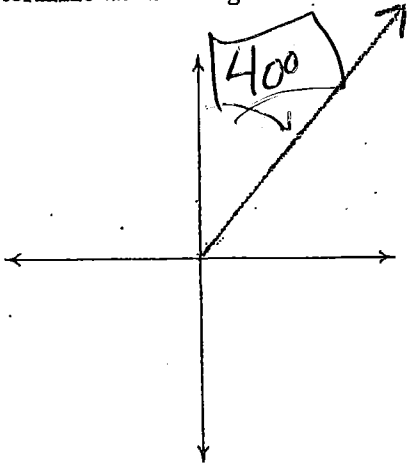
Clockwise
off NORTH

Name _____

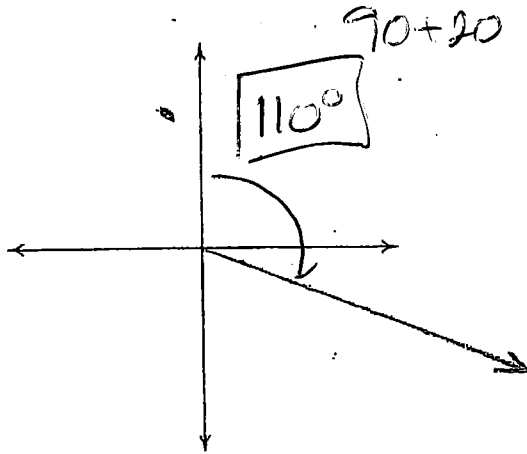
Bearings and Bisectors → Cut in half

Determine the bearing of the drawn ray

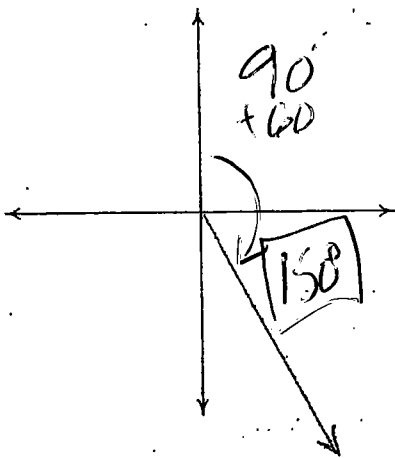
1)



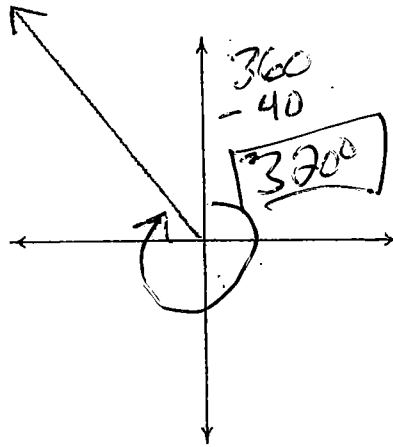
2)



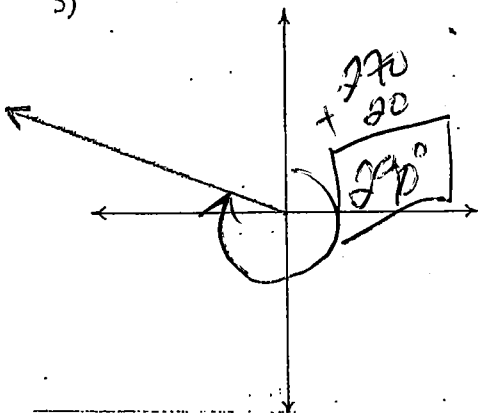
3)



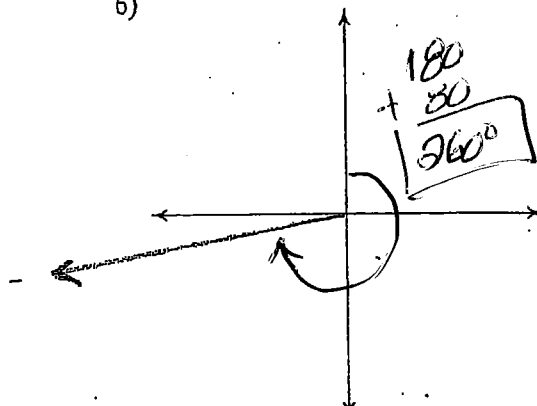
4)



5)

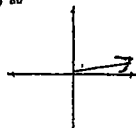


6)

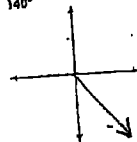


Answers to Bearings and Bisectors

- 1) 40°
- 2) 110°
- 3) 150°
- 4) 320°
- 5) 290°
- 6) 260°
- 7) 80°

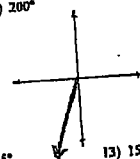


8) 140°



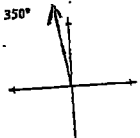
- 11) 85°
- 15) 30°
- 19) 300°

9) 200°



- 12) 109.5°
- 16) 120°
- 20) 210°

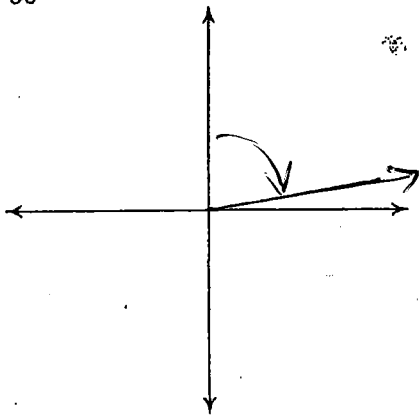
10) 350°



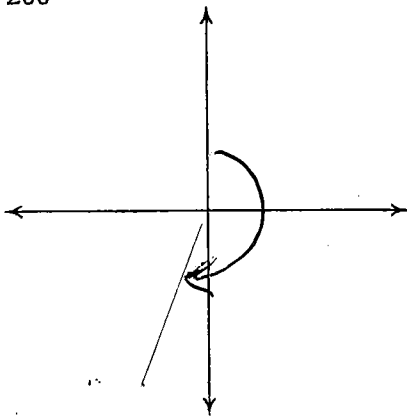
- 14) 20.5°
- 18) 90°

Draw a ray with the given bearing

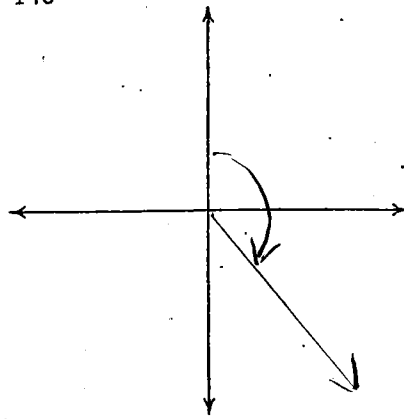
7) 80°



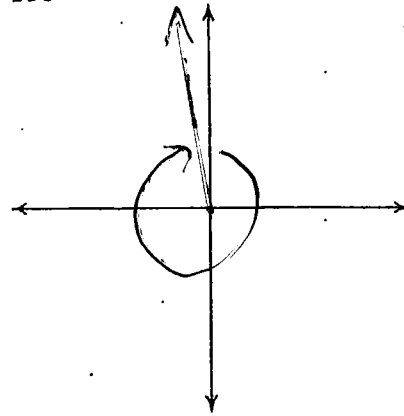
9) 200°



8) 140°



10) 350°



Determine the resulting Angles

11) A 170° angle is bisected.

$$170 \div 2 = 85^\circ$$

13) A 60° angle is divided into 4 equal parts.

$$60 \div 4 = 15^\circ$$

15) The angle between the hands of a clock at 1:00.

$$360 \div 12 = 30^\circ$$



17) The angle between the hands of a clock at 7:00.

$$360 \div 12 = 30$$

$$30 \times 7 = 210^\circ \text{ or } 360 - 210 = 150^\circ$$

12) A 219° angle is bisected.

$$219 \div 2 = 109.5^\circ$$

14) A 82° angle is divided into 4 equal parts.

$$82 \div 4 = 20.5^\circ$$

16) The angle between the hands of a clock at 4:00.

$$360 \div 12 = 30$$

$$30 \times 4 = 120^\circ$$

18) The angle between the hands of a clock at 9:00.

$$360 \div 12 = 30$$

$$30 \times 9 = 270^\circ \text{ or } 360 - 270 = 90^\circ$$

Determine the resulting Angles. Give your answer as a reflex angle (greater than 180°)

19) The angle between the hands of a clock at 2:00.

$$360 \div 12 = 30$$

$$30 \times 10 = 300^\circ$$



20) The angle between the hands of a clock at 7:00.

$$360 \div 12 = 30$$

$$30 \times 7 = 210^\circ$$