Geometry
Unit: Introduction to Geometry
Section: Rays and Angles

Matching: Finding Angle Measures

Directions: Find the measure of each angle. The diagram has point P with rays PR, PQ, PN and PM extending from it, between ray PR and PQ is 25 degrees, between PQ and PN is 80 degrees, and between PN and PM is 50 degrees

1. measure of angle R P N

2. measure of angle R P M

3. measure of angle Q P M

4. measure of angle R P Q plus measure of angle N P M

5. measure of angle N P M minus measure of angle R P Q

6. measure of angle R P M minus twice the measure of angle N P M

7. measure of angle N P M minus twice the measure of angle R P Q

8. four times the measure of angle N P M minus twice the measure of angle R P Q

9. measure of angle Q P M minus measure of angle N P M

10. twice the measure of angle N P M plus measure of angle R P Q

a. 130

b. 25

c. 40

d. 125

e. 105

f. 80

g. 75

h. 55

i. 155

j. 0

Answers:

1. e

2. i

3. a

4. g

5. b

6. h

7. j

8. c

9. f

10. d