

NAME: \_\_\_\_\_

*P.I. A2.M.2: Convert between radian and degree measures*

1. Convert  $20^\circ$  to radians.

2. Convert  $60^\circ$  to radians.

3. Convert  $\frac{2}{3}\pi$  to degrees.

4. Convert  $\frac{3}{4}\pi$  to degrees.

5. Convert  $\frac{13}{18}\pi$  to degrees.

[A]  $130^\circ$  [B]  $249^\circ$

[C]  $65^\circ$  [D]  $260^\circ$

6. Convert  $200^\circ$  to radians.

[A]  $\frac{10}{9}\pi$  [B]  $\frac{20}{9}\pi$

[C]  $\frac{9}{10}\pi$  [D]  $\frac{9}{20}\pi$

7. Convert  $\frac{11}{12}\pi$  to degrees.

[A]  $83^\circ$  [B]  $165^\circ$

[C]  $196^\circ$  [D]  $330^\circ$

8. Convert  $36^\circ$  to radians.

[A]  $\frac{1}{5}\pi$  [B]  $\frac{5}{2}\pi$  [C]  $\frac{2}{5}\pi$  [D]  $5\pi$

9. The five degree measures for five angles are  $30^\circ$ ,  $40^\circ$ ,  $35^\circ$ ,  $50^\circ$ , and  $55^\circ$ . Find the median angle measure. Change it to radians. Round your answer to the nearest hundredth.

[1]  $\frac{1}{9}\pi$  \_\_\_\_\_

[2]  $\frac{1}{3}\pi$  \_\_\_\_\_

[3]  $120^\circ$  \_\_\_\_\_

[4]  $135^\circ$  \_\_\_\_\_

[5] A \_\_\_\_\_

[6] A \_\_\_\_\_

[7] B \_\_\_\_\_

[8] A \_\_\_\_\_

[9] 0.70 radians \_\_\_\_\_