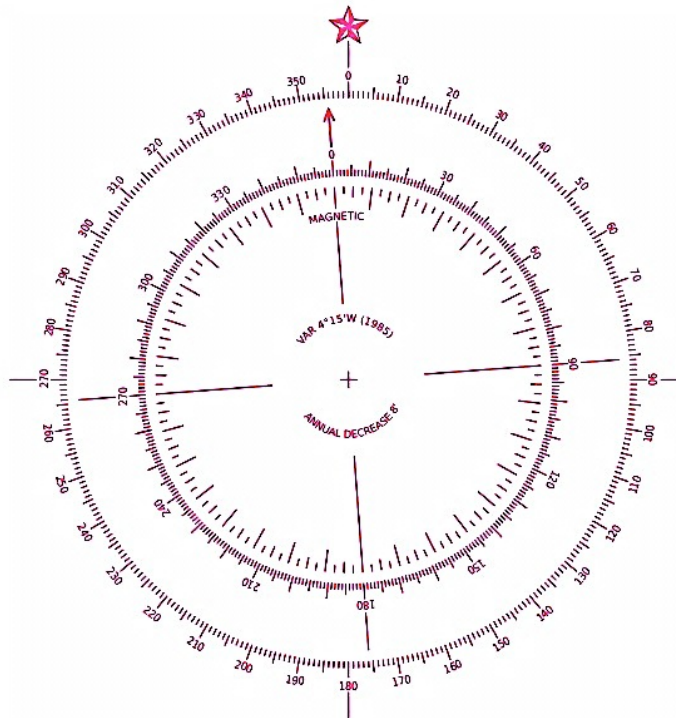


Exercise: Variation Conversions

1. What is the variation on this compass rose?
 - a. 360°
 - b. $4^\circ 15' W$
 - c. $4^\circ W$
 - d. $8^\circ W$



2. What is the magnetic bearing?

True Bearing: **115°**

Variation: **$7^\circ W$**

- a. 108°
- b. 122°
- c. 185°
- d. 115°

3. What is the magnetic bearing?

True Bearing: **095°**

Variation: **$5^\circ E$**

- a. 090°
- b. 105°
- c. 100°
- d. 055°

4. What is the true bearing?

Magnetic Bearing: **200°**

Variation: **$10^\circ W$**

- a. 185°
- b. 190°
- c. 200°
- d. 210°

5. What is the true bearing?

Magnetic Bearing: **315°**

Variation: **$6^\circ E$**

- a. 320°
- b. 321°
- c. 309°
- d. 306°