DECLINATION PROBLEM WORKSHEET

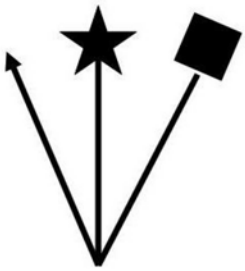
1. What is the declination for the following map where:

   a. the current year is 2010, 12°22'

   b. the approximate mean declination is for 1998, and

   c. the annual change is increasing 10.0'?

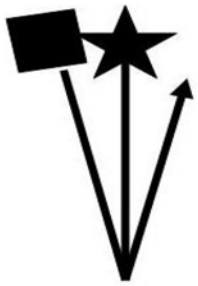
Answer: _____ East/West (circle one).



2. What is the declination for the following map where:

   - the current year is 2011, 7°17'
   - the approximate mean declination is for 2001, and
   - the annual change is decreasing 7.0'?

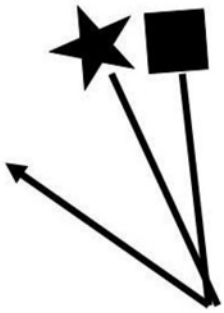
Answer: _____ East/West (circle one).



3. What is the declination for the following map:

   - the current year is 2015, 5°53'
   - the approximate mean declination is for 2004, and
   - the annual change is increasing 8.32'?

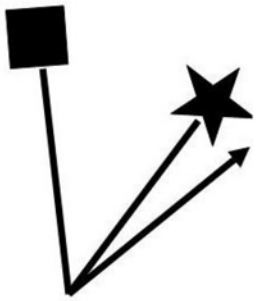
Answer: _____ East/West (circle one).



4. What is the declination for the following map:

   - the current year is 2012, 10°24'
   - the approximate mean declination is for 1998, and
   - the annual change is increasing 9.57'?

Answer: _____ East/West (circle one).



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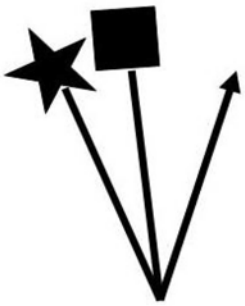
Verify against the official publication.

5. What is the declination for the following map:

   - the current year is 2014,
   - the approximate mean declination is for 2001, and
   - the annual change is decreasing 18'.0?

   9°30'

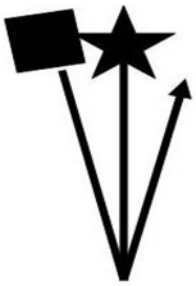


Answer: _____ East/West (circle one).

6. What is the declination for the following map:

   - the current year is 2015,
   - the approximate mean declination is for 2003, and
   - the annual change increasing 2.0'?

   17°45'

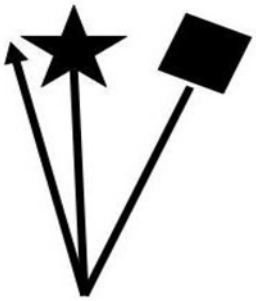


Answer: _____ East/West (circle one).

7. What is the declination for the following map:

   - the current year is 2015,
   - the approximate mean declination is for 2003, and
   - the annual change is decreasing 11.0'?

   14°12'

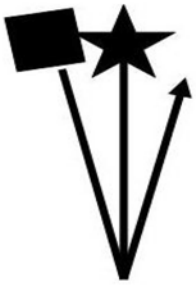


Answer: _____ East/West (circle one).

8. What is the declination for the following map:

   - the current year is 2016,
   - the approximate mean declination is for 2009, and
   - the annual change is decreasing 2.7'?

   7°39'



Answer: _____ East/West (circle one).

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Verify against the official publication.