ANSWER KEY TO DECLINATION PROBLEM WORKSHEET

DECLINATION WORKINGS				ANSWER
1.	2010 - 1998 = 12	12 x 10 = 120° 120 ÷ 60 = 2°	12°22' + 2° = 14° 22'	**14°22' W**
2.	2011 - 2001 = 10	7° x 10 = 70' 70 ÷ 60 = 1°10'	7°17' - 1°10' = 6°07'	**6°07' E**
3.	2015 - 2004 = 11	11 x 8.32 = 91.52	5° 53' + 91'52" = 5°144'52" 5°144'.52" = 7°24'52" = 7°25'	**7°25' W**
4.	2012 - 1998 = 14	14 x 9.57' = 133.98 133.98 ÷ 60=2°13'98"	10°24' + 2°13.98' = 12°37.98"	**12°38' E**
5.	2014 - 2001 = 13	13 x 18' = 234 234 ÷ 60 = 3° 54'	9°30' - 3°54' = 5°36'	**5°36' E**
6.	2015 - 2003 = 12	12 x 2' = 24'	17°45' + 24' = 18°09'	**18°09' E**
7.	2015 - 2003 = 12	12 x 11' = 132' 132' ÷ 60 = 2°12'	14°12' - 2°12' = 12°	**12° W**
8.	2016 - 2009 = 7	7 x 2.7' = 18.9'	7°39' - 18.9' = 7°20'	**7°20' W**

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Verify against the official publication.

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