

Name:
Class:

Compass Worksheet

Instructions:

Use what you know about compasses, variation, deviation, compass course, and magnetic course to fill in the blanks on these tables.

Hint: Remember that there are only 60 minutes in one degree.

Hint: Remember down add west.

True Course	335°00'
Variation	010°00' W
Magnetic Course	
Deviation	000°00' W
Compass Course	

True Course	
Variation	010°00' W
Magnetic Course	340°00'
Deviation	010°00' E
Compass Course	

True Course	
Variation	000°00' W
Magnetic Course	
Deviation	010°00' W
Compass Course	110°00'

True Course	
Variation	005°00' E
Magnetic Course	085°50'
Deviation	005°00' W
Compass Course	

True Course	
Variation	014°50' W
Magnetic Course	
Deviation	000°30' E
Compass Course	080°50'

True Course	
Variation	004°35' W
Magnetic Course	325°20'
Deviation	004°50' W
Compass Course	

True Course	
Variation	005°10' W
Magnetic Course	
Deviation	010°00' W
Compass Course	005°00'

True Course	239°06'
Variation	009°40' E
Magnetic Course	
Deviation	010°00' E
Compass Course	

True Course	336°27'
Variation	004°03' E
Magnetic Course	
Deviation	000°05' E
Compass Course	

True Course	326°42'
Variation	002°40' E
Magnetic Course	
Deviation	010°32' W
Compass Course	

True Course	133°51'
Variation	003°22' W
Magnetic Course	
Deviation	002°56' E
Compass Course	

True Course	
Variation	014°25' W
Magnetic Course	
Deviation	018°51' W
Compass Course	276°16'

Brain Teaser

You are the crew person when it is time to do a position check. The helmsman gives you a bearing of 135° 50'. You look at your chart and find that the deviation is 7° 05' E and that the variation is 15° 27' W. What is your true course?