

**1.5****Challenge Practice**

For use with pages 28–33

Find the sum.

1.  $-347 + 67 + (-1243) + 4343 + (-2351)$
2.  $-5760 + 456 + (-992) + (-41) + (-656) + 2208$

In the statement,  $a$  and  $b$  are nonzero integers. Explain what must be true about the values of  $a$  and  $b$ .

3.  $|a| + b = a + b$
4.  $a + |b| = |a| + b$
5.  $|a + b| \neq |a| + |b|$
6.  $|a + b| = |a| + |b|$
7.  $a + b = 0$
8.  $a + b = 1$
9. The sum  $a + b$  is a negative integer.
10. The sum  $a + (-b)$  is a positive integer.