Extra Practice

Subtract.

22. $13 - 17 = $ _−4_

> **Homework Help** ➡
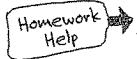
$$13 - 17 = 13 + (-17)$$
$$= -4$$

23. $27 - (-8) = $ _35_

$$27 - (-8) = 27 + 8$$
$$= 35$$

24. $-8 - 9 = $ _____

25. $-34 - (-20) = $ _____

26. $15 - (-14) = $ _____

27. $-27 - (-33) = $ _____

Evaluate each expression if $f = -6$, $g = 7$, and $h = 9$.

28. $f - 6$ _____

29. $h - f$ _____

30. $g - h$ _____

31. $5 - f$ _____

32. $4 - (-g)$ _____

33. $-8 - (-h)$ _____

34. (PS) **Be Precise** To find the percent error, you can use this equation.

$$\text{percent error} = \frac{\text{amount of error}}{\text{actual amount}} \times 100$$

Bryan estimates the cost of a vacation to be \$730. The actual cost of the vacation is \$850. Find the percent error. Round to the nearest whole percent if necessary. Is the percent positive or negative? Explain.

_____

_____

35. Determine if each statement below about integers is *always* true or *sometimes* true.

a. positive − positive = positive   ☐ Always True   ☐ Sometimes True

b. positive + positive = positive   ☐ Always True   ☐ Sometimes True

c. negative + negative = negative   ☐ Always True   ☐ Sometimes True

d. negative − negative = negative   ☐ Always True   ☐ Sometimes True

36. The table shows the record high and low temperatures recorded in different states. The *range* of temperatures in a state is the difference between the highest and lowest temperatures. Sort the range of temperatures for each state from least to greatest.

State	Alaska	Colorado	Florida	Nevada
Record High	100°F	118°F	109°F	125°F
Record Low	−80°F	−61°F	−2°F	−50°F

	State	Range
Least		
Greatest		

Spiral Review

Multiply.

37. 18(10) = _____

38. 15(13) = _____

39. 12(30) = _____

Evaluate each expression.

40. $|-12| =$ _____

41. $|-3| + |-5| =$ _____

42. $|-25| \div 5 - |-3| =$ _____