

**HW 3.5 Activity**

Name: \_\_\_\_\_

- Regular: p. 112-113 #6-8, 18, 19, 42-46
- Modified: p. 112-113 #6, 7, 19, 42, 44, 46
- Advanced: p. 112-113 #6-8, 18, 19, 42-46, 40, 41

{{{SHOW WORK!}}}

**Solve the equation. Check your solution.**

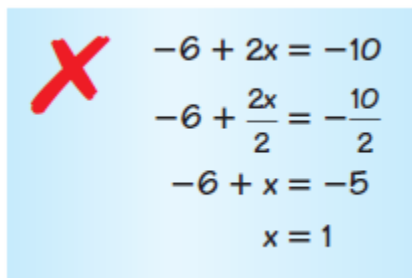
6.  $2v + 7 = 3$

7.  $4b + 3 = -9$

8.  $17 = 5k - 2$

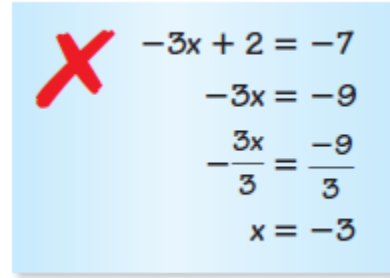
**ERROR ANALYSIS** Describe and correct the error in finding the solution.

18.



$-6 + 2x = -10$   
 $-6 + \frac{2x}{2} = \frac{-10}{2}$   
 $-6 + x = -5$   
 $x = 1$

19.



$-3x + 2 = -7$   
 $-3x = -9$   
 $\frac{3x}{3} = \frac{-9}{3}$   
 $x = -3$

**Multiply or divide.** (Section 2.4)

42.  $-6.2 \times 5.6$

43.  $\frac{8}{3} \times \left(-2\frac{1}{2}\right)$

44.  $\frac{5}{2} \div \left(-\frac{4}{5}\right)$

45.  $-18.6 \div (-3)$

46. **MULTIPLE CHOICE** Which fraction is *not* equivalent to 0.75? (Skills Review Handbook)

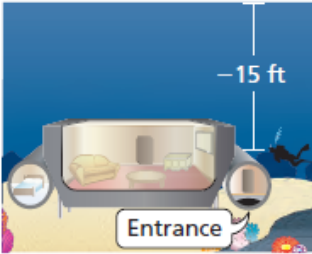
(A)  $\frac{15}{20}$

(B)  $\frac{9}{12}$

(C)  $\frac{6}{9}$

(D)  $\frac{3}{4}$

Advanced:



40. **UNDERWATER HOTEL** You must scuba dive to the entrance of your room at Jules' Undersea Lodge in Key Largo, Florida. The diver is 1 foot deeper than  $\frac{2}{3}$  of the elevation of the entrance. What is the elevation of the entrance?

41. **Geometry** How much should you change the length of the rectangle so that the perimeter is 54 centimeters? Write an equation that shows how you found your answer.

