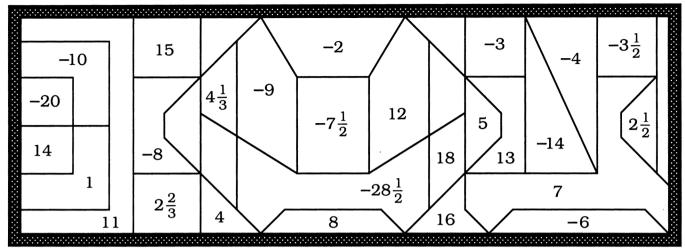
## **WORLD'S MOST EXPENSIVE COLLEGE**



Shade in the area containing each solution.

1. 
$$5x + 2(x + 4) = 64$$

**2.** 
$$9(y-2)+4=31$$

**1.** 
$$5x + 2(x + 4) = 64$$
 **2.**  $9(y - 2) + 4 = 31$  **3.**  $7 + 4(2a + 15) = -13$ 

**4.** 
$$6(n-5)-11n=0$$

**5.** 
$$20 = 8 + 3(12 + 4x)$$

**4.** 
$$6(n-5)-11n=0$$
 **5.**  $20=8+3(12+4x)$  **6.**  $-2(w-7)+10w=34$ 

7. 
$$9y - 4(y + 5) = 40$$

**8.** 
$$10 - 3(m - 2) = 8$$

**7.** 
$$9y - 4(y + 5) = 40$$
 **8.**  $10 - 3(m - 2) = 8$  **9.**  $16d - (4 - 5d) = -67$ 

**10.** 
$$7(6x - 1) + x = 36$$

**10.** 
$$7(6x-1) + x = 36$$
 **11.**  $11 - 2(8+3p) = 7^2$  **12.**  $\frac{1}{4}(5b+11) = 19$ 

**12.** 
$$\frac{1}{4}(5b + 11) = 19$$

**13.** 
$$\frac{2}{7}(4m - 18) = 12$$

**13.** 
$$\frac{2}{7}(4m - 18) = 12$$
 **14.**  $75 = 3(-10t - 3) + 6t$  **15.**  $-\frac{5}{6}(9 + 2x) = 40$ 

**15.** 
$$-\frac{5}{6}(9 + 2x) = 40$$

16. Write an equation and solve for x if the area of this rectangle is 133 square units.



17. The Big Screamer Coaster carries 92 people altogether. Some of its cars carry 4 passengers, and the rest carry 6 passengers. There are three less 6-passenger cars than 4-passenger cars. How many 4-passenger cars are there?