

**2.6****Challenge Practice**

For use with pages 96-101

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

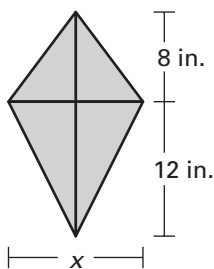
1.  $-8y + 14y = 540$

2.  $8(7d) = -336$

3.  $\frac{r}{-7+5} = 16$

4.  $10 = 2 - 3x + 7x$

5. Your normal walking rate is 180 feet per minute. How far can you walk in three hours at your normal walking rate?

6. The kite shown below has an area of 120 square inches. Find the unknown length  $x$ .7. The sum of three numbers is 65. Let  $x$  be the first number. The second number is four times the first number and the third number is two times the second number. What are the three numbers?